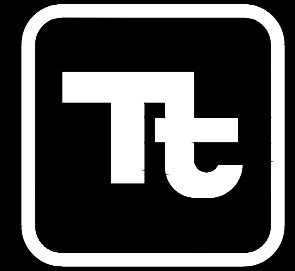


FAYETTE COUNTY GRAVES ROAD CULVERT REPLACEMENT PROJECT PROJECT NUMBER 17SAA

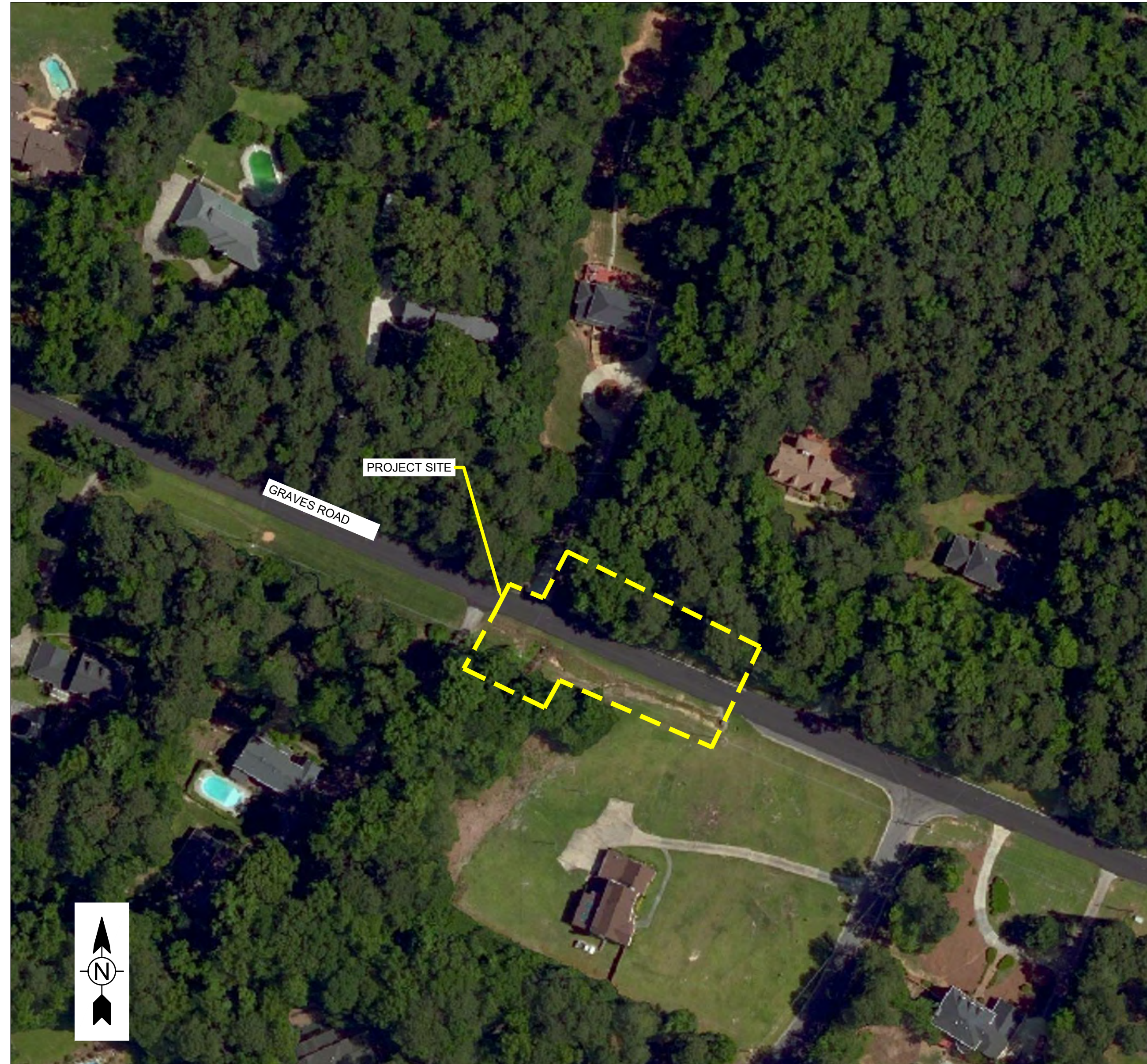


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INDEX OF DRAWINGS	
Sheet No.	Title
GENERAL	
G-000	COVER SHEET AND INDEX OF DRAWINGS
G-001	LEGEND AND ABBREVIATIONS
G-002	GENERAL NOTES
CIVIL	
C-101	EXISTING CONDITIONS
C-102	DEMOLITION PLAN
C-103	SITE PLAN
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C-105	EROSION CONTROL PLAN
C-501	CONSTRUCTION DETAILS
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C-504	CONSTRUCTION DETAILS
C-505	CONSTRUCTION DETAILS
C-506	EROSION CONTROL DETAILS
C-507	ESPC PLAN

PROJECT LOCATION:

287 GRAVES ROAD
FAYETTEVILLE, GA 30214

CLIENT INFORMATION:

FAYETTE COUNTY
140 STONEWALL AVE W, SUITE 203
FAYETTEVILLE, GA 30214

Tt PROJECT No.:

200-01297-17045

CLIENT PROJECT No.:

17SAA

PROJECT DESCRIPTION / NOTES:

THE PROJECT SHALL CONSIST OF THE DEMOLITION OF THE EXISTING CMP CULVERTS UNDER GRAVES ROAD AND THE INSTALLATION OF AN 8' X 8' CONCRETE BOX CULVERT 66' IN LENGTH ALONG WITH THE RELOCATION OF THE EXISTING UTILITIES IN THE AREA

REFERENCE DATUM: NAD83 GEORGIA STATE PLANE, WEST ZONE, US FOOT

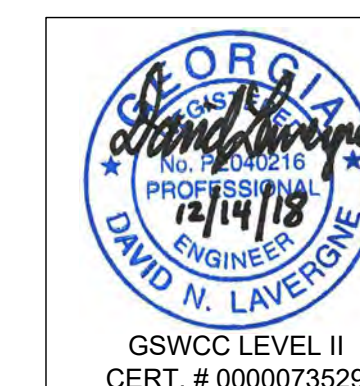
ISSUED:

ISSUED FOR CONSTRUCTION - 12/14/18

VICINITY MAP:



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GSWCC LEVEL II
CERT. # 0000073529

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SURVEY NOTES:

1. SURVEY SOURCE: ROCHESTER AND ASSOCIATES, INC.
SURVEY DATE: 08/04/17



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GSWCC LEVEL II
CERT. # 0000073529

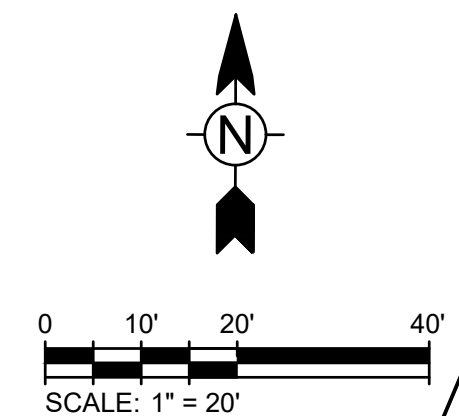
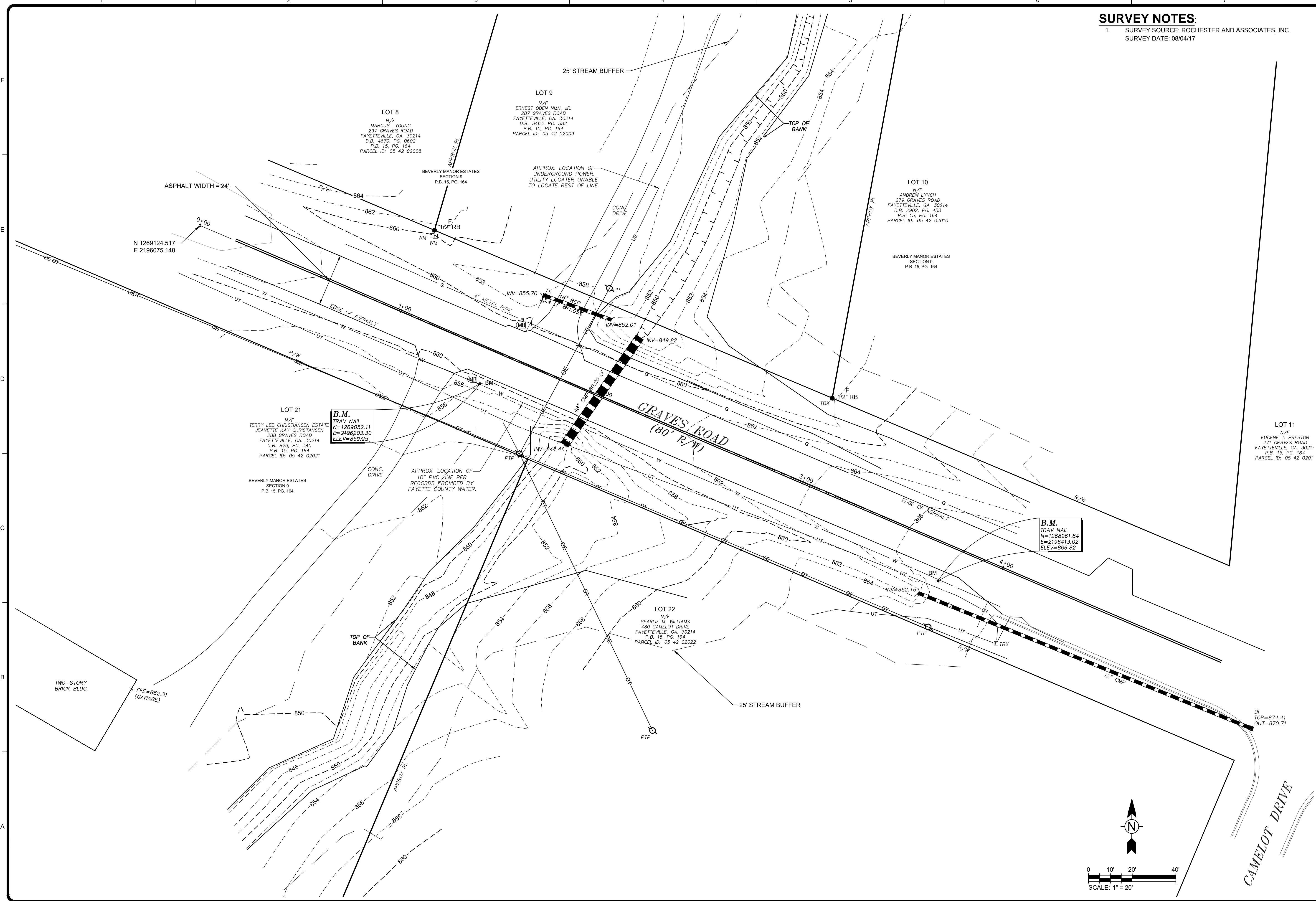
MARK	DATE	DESCRIPTION	BY
0	12/14/18	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
EXISTING CONDITIONS

Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

C-101

Bar Measures 1 inch



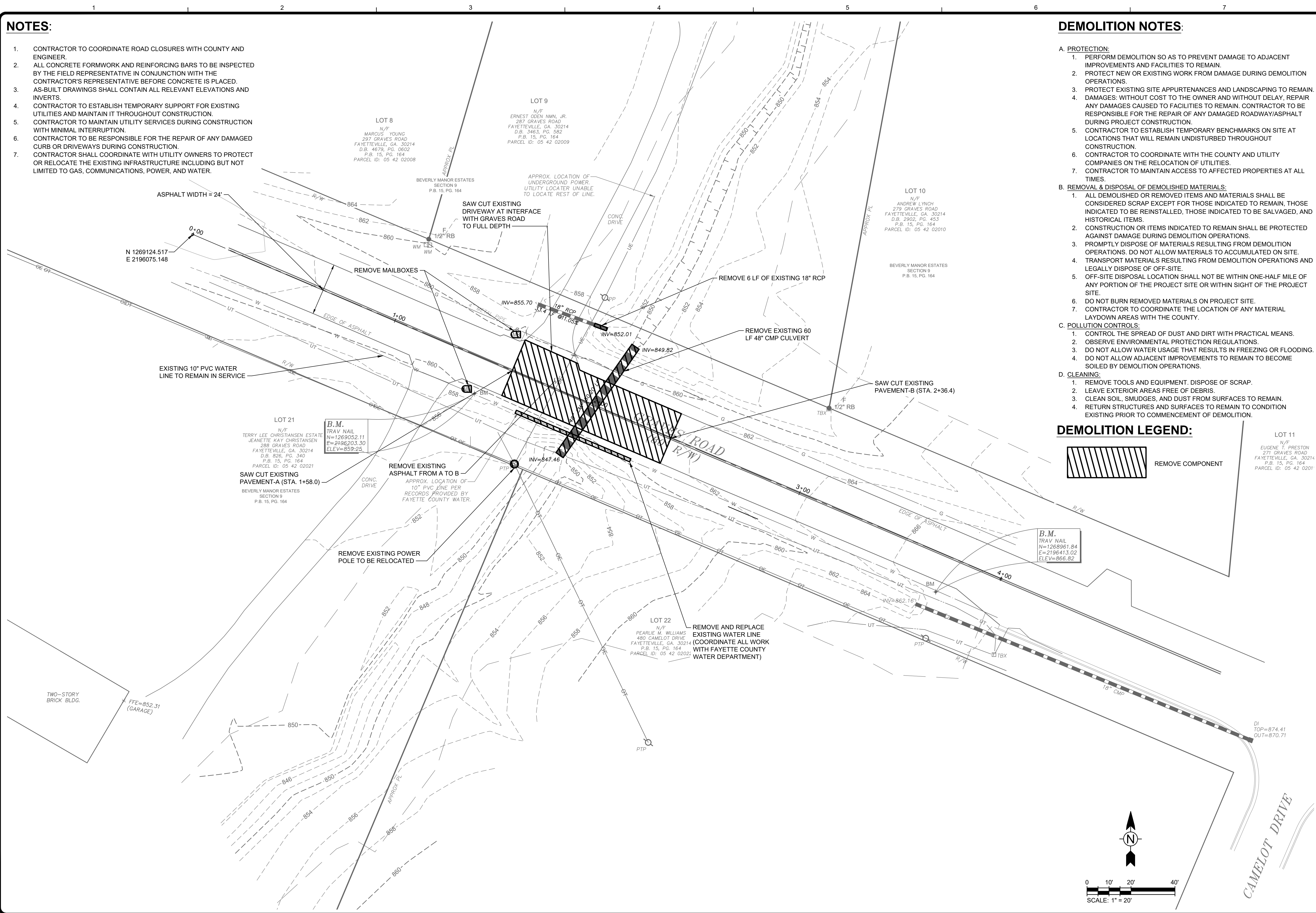
NOTES:

1. CONTRACTOR TO COORDINATE ROAD CLOSURES WITH COUNTY AND ENGINEER.
2. ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTOR'S REPRESENTATIVE BEFORE CONCRETE IS PLACED.
3. AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS.
4. CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
5. CONTRACTOR TO MAINTAIN UTILITY SERVICES DURING CONSTRUCTION WITH MINIMAL INTERRUPTION.
6. CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB OR DRIVEWAYS DURING CONSTRUCTION.
7. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS TO PROTECT OR RELOCATE THE EXISTING INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO GAS, COMMUNICATIONS, POWER, AND WATER.

DEMOLITION NOTES:

- A. PROTECTION:**
1. PERFORM DEMOLITION SO AS TO PREVENT DAMAGE TO ADJACENT IMPROVEMENTS AND FACILITIES TO REMAIN.
 2. PROTECT NEW OR EXISTING WORK FROM DAMAGE DURING DEMOLITION OPERATIONS.
 3. PROTECT EXISTING SITE APPURTENANCES AND LANDSCAPING TO REMAIN. DAMAGES: WITHOUT COST TO THE OWNER AND WITHOUT DELAY, REPAIR ANY DAMAGES CAUSED TO FACILITIES TO REMAIN. CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED ROADWAY/ASPHALT DURING PROJECT CONSTRUCTION.
 4. CONTRACTOR TO ESTABLISH TEMPORARY BENCHMARKS ON SITE AT LOCATIONS THAT WILL REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
 5. CONTRACTOR TO COORDINATE WITH THE COUNTY AND UTILITY COMPANIES ON THE RELOCATION OF UTILITIES.
 6. CONTRACTOR TO MAINTAIN ACCESS TO AFFECTED PROPERTIES AT ALL TIMES.
- B. REMOVAL & DISPOSAL OF DEMOLISHED MATERIALS:**
1. ALL DEMOLISHED OR REMOVED ITEMS AND MATERIALS SHALL BE CONSIDERED SCRAP EXCEPT FOR THOSE INDICATED TO REMAIN, THOSE INDICATED TO BE REINSTALLED, THOSE INDICATED TO BE SALVAGED, AND HISTORICAL ITEMS.
 2. CONSTRUCTION OR ITEMS INDICATED TO REMAIN SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
 3. PROMPTLY DISPOSE OF MATERIALS RESULTING FROM DEMOLITION OPERATIONS. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
 4. TRANSPORT MATERIALS RESULTING FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.
 5. OFF-SITE DISPOSAL LOCATION SHALL NOT BE WITHIN ONE-HALF MILE OF ANY PORTION OF THE PROJECT SITE OR WITHIN SIGHT OF THE PROJECT SITE.
 6. DO NOT BURN REMOVED MATERIALS ON PROJECT SITE.
 7. CONTRACTOR TO COORDINATE THE LOCATION OF ANY MATERIAL LAYDOWN AREAS WITH THE COUNTY.
- C. POLLUTION CONTROLS:**
1. CONTROL THE SPREAD OF DUST AND DIRT WITH PRACTICAL MEANS.
 2. OBSERVE ENVIRONMENTAL PROTECTION REGULATIONS.
 3. DO NOT ALLOW WATER USAGE THAT RESULTS IN FREEZING OR FLOODING.
 4. DO NOT ALLOW ADJACENT IMPROVEMENTS TO REMAIN TO BECOME SOILED BY DEMOLITION OPERATIONS.
- D. CLEANING:**
1. REMOVE TOOLS AND EQUIPMENT. DISPOSE OF SCRAP.
 2. LEAVE EXTERIOR AREAS FREE OF DEBRIS.
 3. CLEAN SOIL, SMUDGES, AND DUST FROM SURFACES TO REMAIN.
 4. RETURN STRUCTURES AND SURFACES TO REMAIN TO CONDITION EXISTING PRIOR TO COMMENCEMENT OF DEMOLITION.

DEMOLITION LEGEND:



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ATLANTA, GEORGIA 30339
TEL: (770) 850-0949 FAX: (770) 850-0950

Professional Engineer
DAVID N. LAVERGNE
No. 12689618
Professional Engineer
6/14/18
GSWCC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY	HA
0	12/14/18	ISSUED FOR CONSTRUCTION		

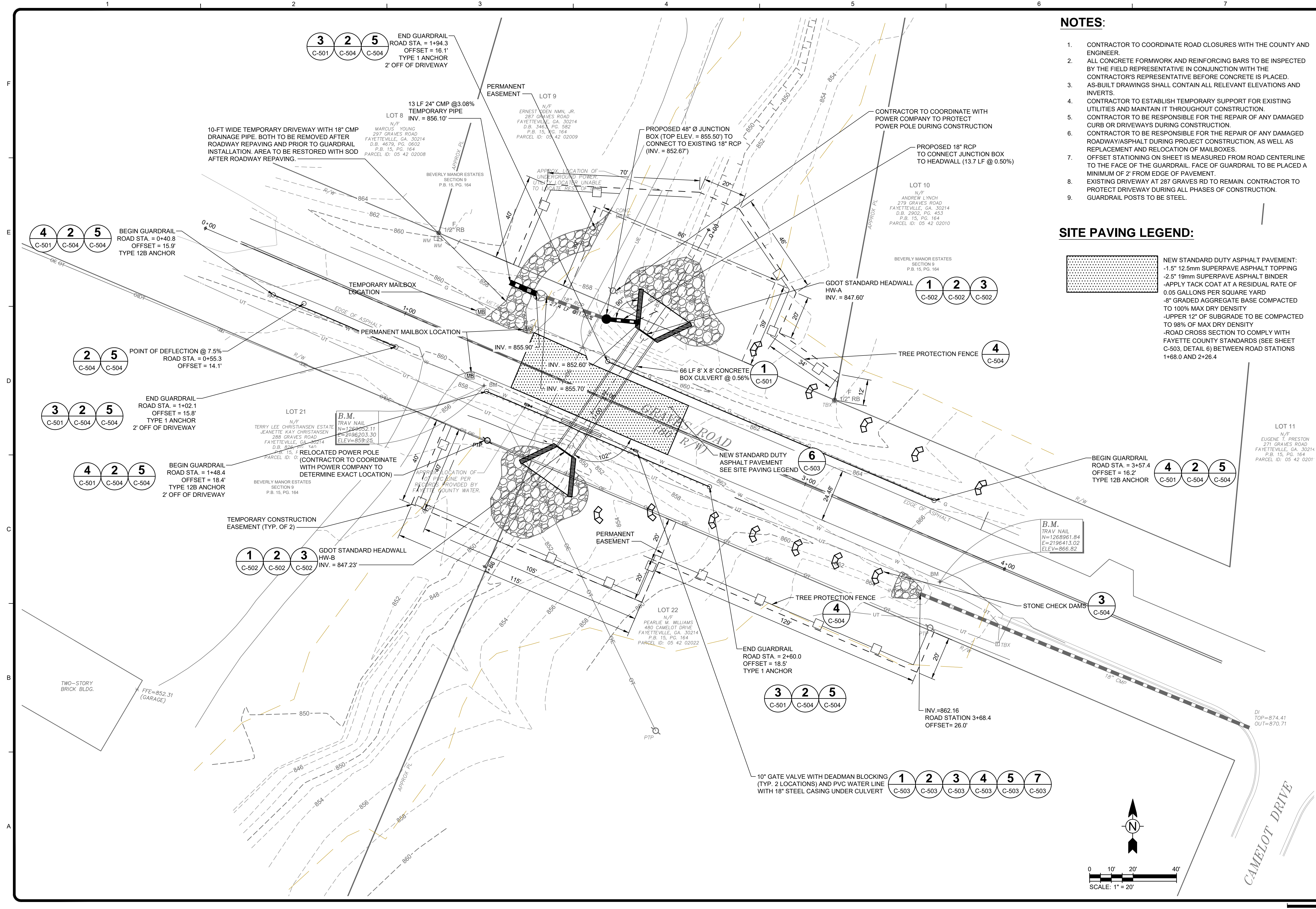
FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
DEMOLITION PLAN

Project No.:	200-01297-17045
Designed By:	CG
Drawn By:	HA
Checked By:	DL

C-102

12/14/2018 5:06:38 PM - O:\PROJECTS\ATLANTA\TAI\TAI\0297\200-01297-17045\CAD\SHEET\FILESC-102 DEMOLITION PLAN.DWG - GULLMIRE, CALEB

12/14/2018 5:06:43 PM - O:\PROJECTS\ATLANTA\TAI\TAI\0297200-01297-17045\CAD\SHEET\FILESC-103 SITE PLAN.DWG - GULMIRE, CALEB

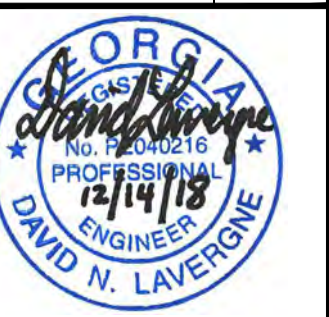


NOTES:

- CONTRACTOR TO COORDINATE ROAD CLOSURES WITH THE COUNTY AND ENGINEER.
- ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTOR'S REPRESENTATIVE BEFORE CONCRETE IS PLACED.
- AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS.
- CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
- CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB OR DRIVEWAYS DURING CONSTRUCTION.
- CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED ROADWAY/ASPHALT DURING PROJECT CONSTRUCTION, AS WELL AS REPLACEMENT AND RELOCATION OF MAILBOXES.
- OFFSET STATIONING ON SHEET IS MEASURED FROM ROAD CENTERLINE TO THE FACE OF THE GUARDRAIL. FACE OF GUARDRAIL TO BE PLACED A MINIMUM OF 2' FROM EDGE OF PAVEMENT.
- EXISTING DRIVEWAY AT 287 GRAVES RD TO REMAIN. CONTRACTOR TO PROTECT DRIVEWAY DURING ALL PHASES OF CONSTRUCTION.
- GUARDRAIL POSTS TO BE STEEL.

SITE PAVING LEGEND:

- NEW STANDARD DUTY ASPHALT PAVEMENT:
 - 1.5" 12.5mm SUPERPAVE ASPHALT TOPPING
 - 2.5" 19mm SUPERPAVE ASPHALT BINDER
 - APPLY TACK COAT AT A RESIDUAL RATE OF 0.05 GALLONS PER SQUARE YARD
 - 8" GRADED AGGREGATE BASE COMPACTED TO 100% MAX DRY DENSITY
 - UPPER 12" OF SUBGRADE TO BE COMPACTED TO 98% OF MAX DRY DENSITY
 - ROAD CROSS SECTION TO COMPLY WITH FAYETTE COUNTY STANDARDS (SEE SHEET C-503, DETAIL 6) BETWEEN ROAD STATIONS 1+68.0 AND 2+26.4



GSWCC LEVEL II
CERT. # 0000073529

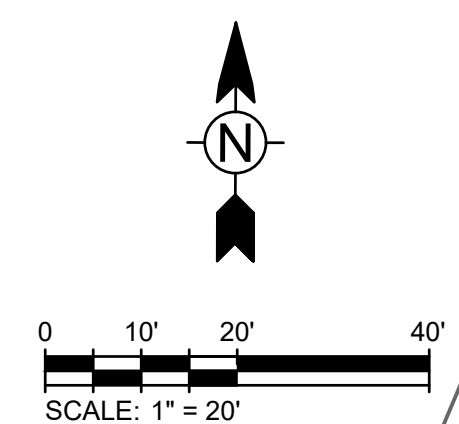
MARK	DATE	DESCRIPTION	BY	HA
0	12/14/18	ISSUED FOR CONSTRUCTION		

FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
SITE PLAN

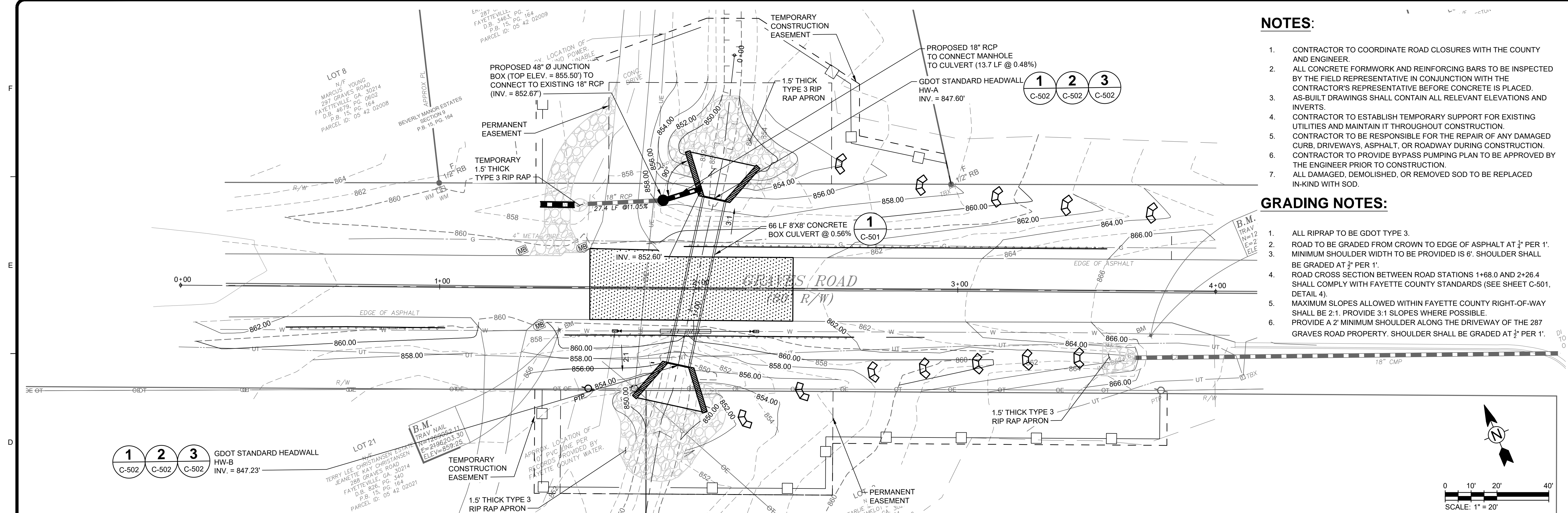
Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

C-103

Bar Measures 1 inch



12/14/2018 5:18:33 PM - P:\MERIDIAN\2017\200-01297-17045\CADD\DRAINAGE AND GRADING PLAN.DWG - GULMIRE, CALEB

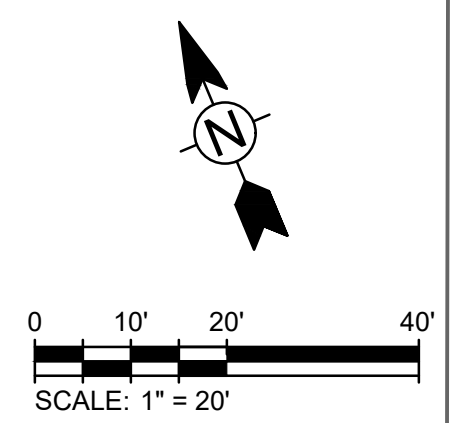


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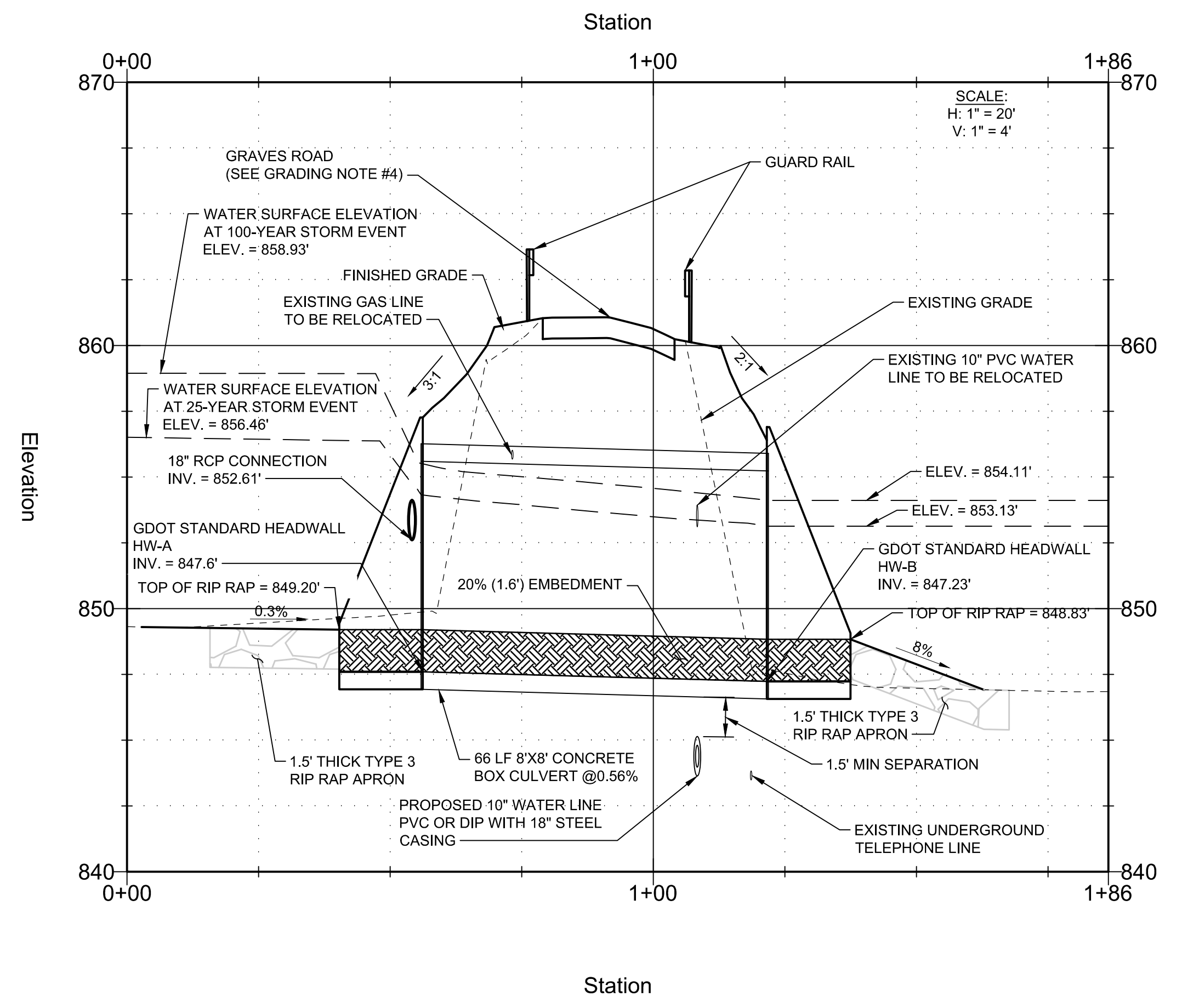
- CONTRACTOR TO COORDINATE ROAD CLOSURES WITH THE COUNTY AND ENGINEER.
- ALL CONCRETE FORMWORK AND REINFORCING BARS TO BE INSPECTED BY THE FIELD REPRESENTATIVE IN CONJUNCTION WITH THE CONTRACTOR'S REPRESENTATIVE BEFORE CONCRETE IS PLACED.
- AS-BUILT DRAWINGS SHALL CONTAIN ALL RELEVANT ELEVATIONS AND INVERTS.
- CONTRACTOR TO ESTABLISH TEMPORARY SUPPORT FOR EXISTING UTILITIES AND MAINTAIN IT THROUGHOUT CONSTRUCTION.
- CONTRACTOR TO BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED CURB, DRIVEWAYS, ASPHALT, OR ROADWAY DURING CONSTRUCTION.
- CONTRACTOR TO PROVIDE BYPASS PUMPING PLAN TO BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- ALL DAMAGED, DEMOLISHED, OR REMOVED SOD TO BE REPLACED IN-KIND WITH SOD.

GRADING NOTES:

- ALL RIPRAP TO BE GDOT TYPE 3.
- ROAD TO BE GRADED FROM CROWN TO EDGE OF ASPHALT AT 1/2" PER 1'.
- MINIMUM SHOULDER WIDTH TO BE PROVIDED IS 6'. SHOULDER SHALL BE GRADED AT 1/2" PER 1'.
- ROAD CROSS SECTION BETWEEN ROAD STATIONS 1+68.0 AND 2+26.4 SHALL COMPLY WITH FAYETTE COUNTY STANDARDS (SEE SHEET C-501, DETAIL 4).
- MAXIMUM SLOPES ALLOWED WITHIN FAYETTE COUNTY RIGHT-OF-WAY SHALL BE 2:1. PROVIDE 3:1 SLOPES WHERE POSSIBLE.
- PROVIDE A 2' MINIMUM SHOULDER ALONG THE DRIVEWAY OF THE 287 GRAVES ROAD PROPERTY. SHOULDER SHALL BE GRADED AT 1/2" PER 1'.



GRAVES RD CULVERT TYPICAL PROFILE



STORM FREQUENCY	FLOW (CFS)	OUTLET VELOCITY (FPS)	DOWNSTREAM VELOCITY (FPS)
25-YEAR	348	10.1	6.7
50-YEAR	440	11.5	7.1
100-YEAR	541	12.8	7.5

DRAINAGE AREA = 175 ACRES
STREAM SLOPE = 0.44%

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Professional Engineer
DAVID N. LAVERGNE
No. 121418
GWSOC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY
0	12/14/18	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
GRADING AND DRAINAGE PLAN

Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

C-104

Bar Measures 1 inch

12/14/2018 5:06:53 PM - O:\PROJECTS\ATLANTA\TAI\TAI\ER01297-17045\CAD\SHEETFILES\C-105 EROSION CONTROL PLAN.DWG - GULMIRE, CALEB

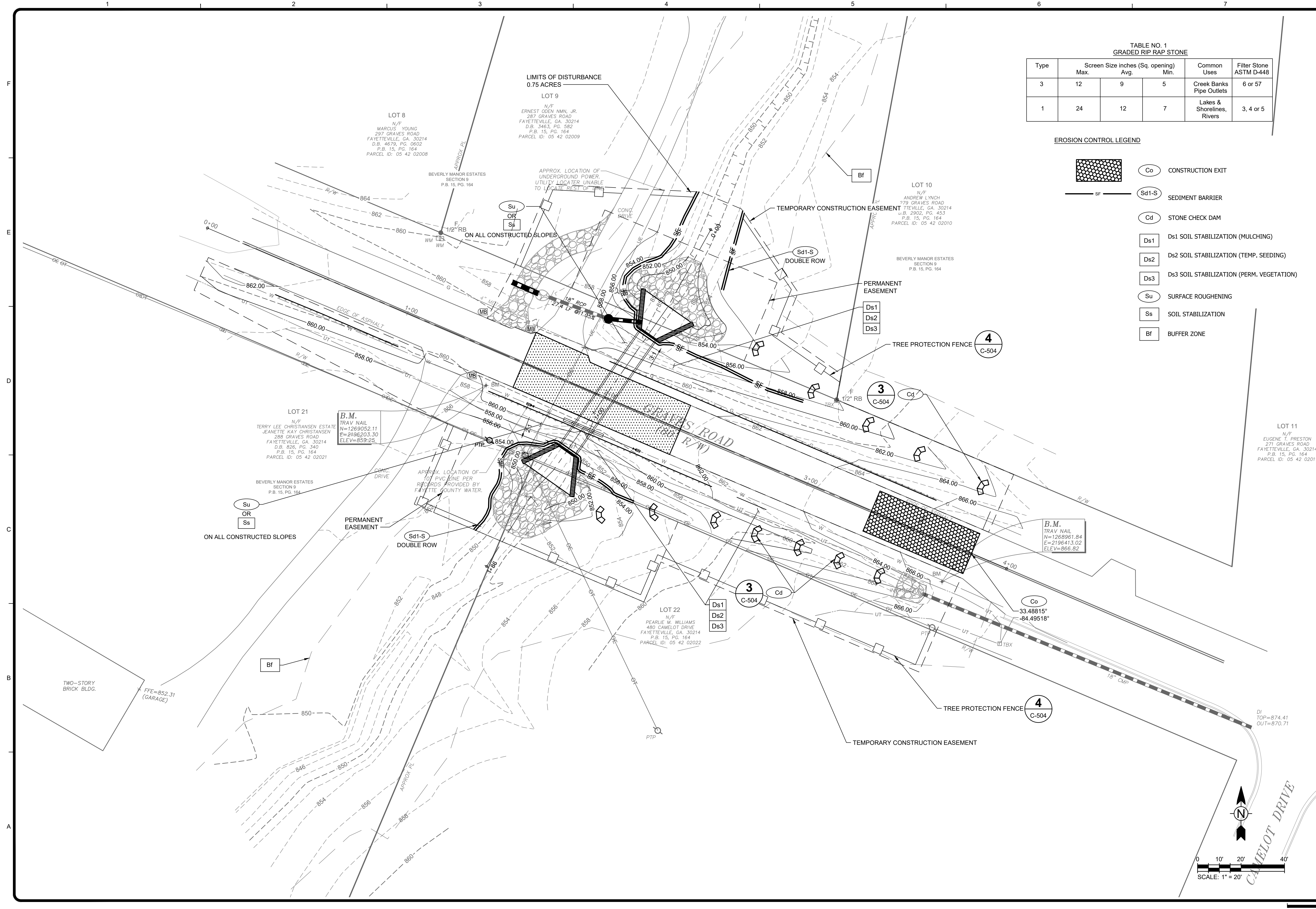


TABLE NO. 1
GRADED RIP RAP STONE

Type	Screen Size inches (Sq. opening)			Common Uses	Filter Stone ASTM D-448
	Max.	Avg.	Min.		
3	12	9	5	Creek Banks Pipe Outlets	6 or 57
1	24	12	7	Lakes & Shorelines, Rivers	3, 4 or 5

- EROSION CONTROL LEGEND
- Co CONSTRUCTION EXIT
 - Sd1-S SEDIMENT BARRIER
 - Cd STONE CHECK DAM
 - Ds1 Ds1 SOIL STABILIZATION (MULCHING)
 - Ds2 Ds2 SOIL STABILIZATION (TEMP. SEEDING)
 - Ds3 Ds3 SOIL STABILIZATION (PERM. VEGETATION)
 - Su SURFACE ROUGHENING
 - Ss SOIL STABILIZATION
 - Bf BUFFER ZONE

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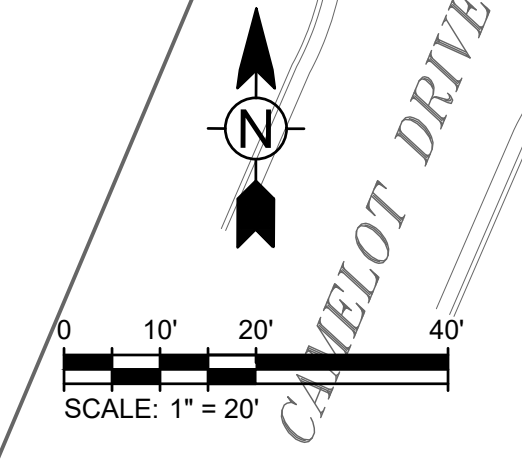
Professional Engineer
DAVID N. LAVERGNE
No. 12689618
Professional Engineer
GWSWC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY
0	12/14/18	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
EROSION CONTROL PLAN

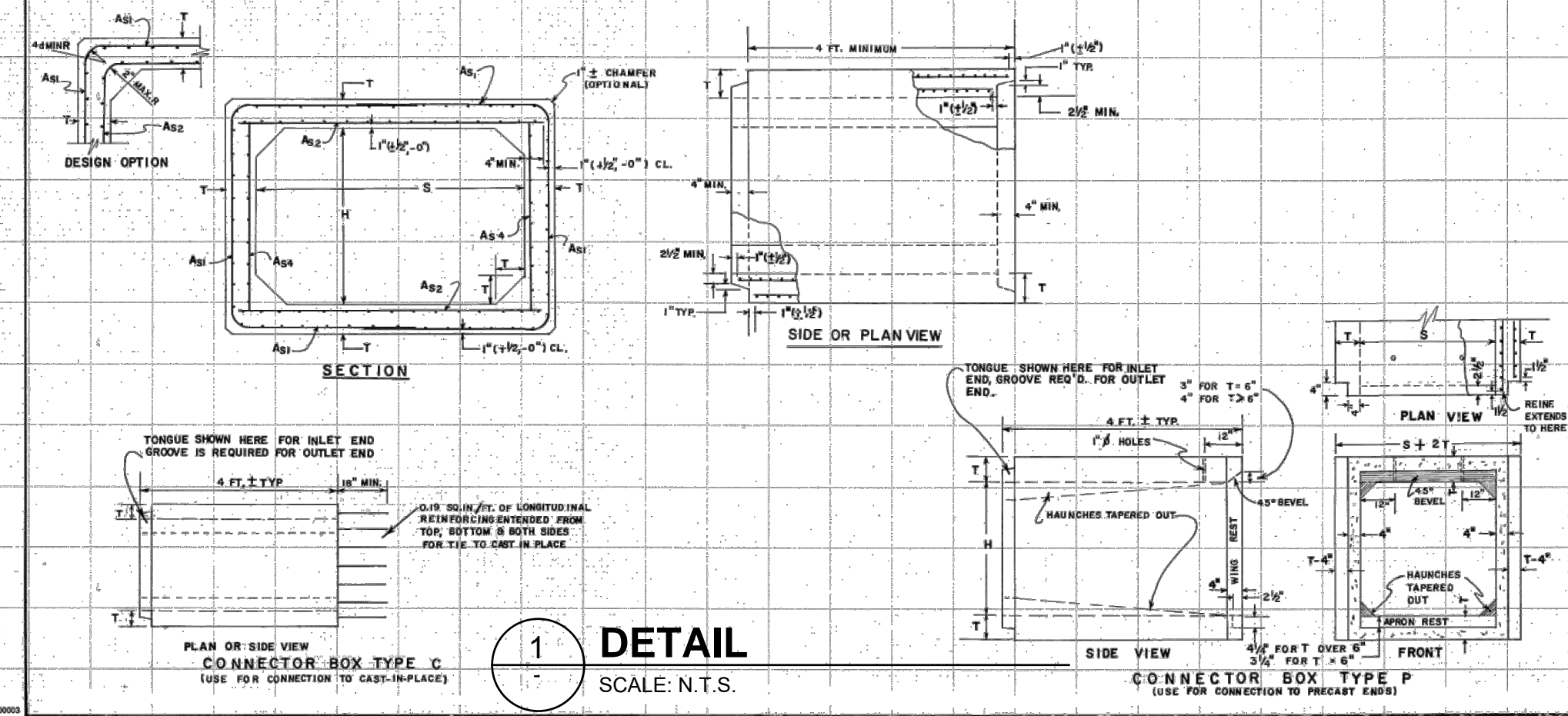
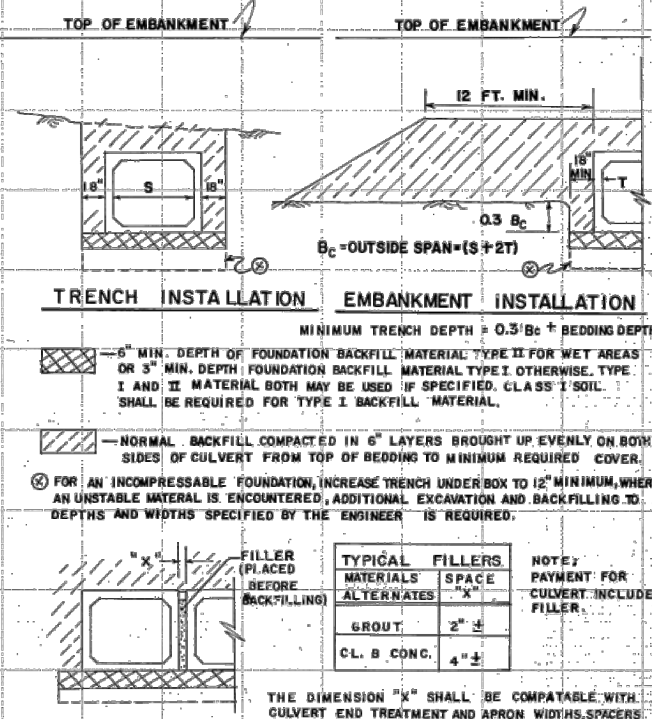
Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

C-105
Bar Measures 1 inch



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CULVERT SIZE	DESIGN A - 1.5' MIN. COVER						DESIGN B - 2.0' MIN. COVER						CULVERT SIZE
	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)	MINIMUM AREA OF CIRCUMFERENTIAL REINFORCEMENT (SQ. IN./LIN. FT.)		
4'	0.81	0.87	0.93	0.99	1.05	1.11	1.17	1.23	1.29	1.35	1.41	4'	
6'	1.22	1.29	1.36	1.43	1.50	1.57	1.64	1.71	1.78	1.85	1.92	6'	
8'	1.63	1.71	1.79	1.87	1.95	2.03	2.11	2.19	2.27	2.35	2.43	8'	
10'	2.04	2.13	2.22	2.31	2.40	2.49	2.58	2.67	2.76	2.85	2.94	10'	
12'	2.45	2.55	2.65	2.75	2.85	2.95	3.05	3.15	3.25	3.35	3.45	12'	
14'	2.86	2.97	3.08	3.19	3.30	3.41	3.52	3.63	3.74	3.85	3.96	14'	
16'	3.27	3.39	3.51	3.63	3.75	3.87	3.99	4.11	4.23	4.35	4.47	16'	
18'	3.68	3.81	3.94	4.07	4.20	4.33	4.46	4.59	4.72	4.85	4.98	18'	
20'	4.09	4.23	4.37	4.51	4.65	4.79	4.93	5.07	5.21	5.35	5.49	20'	
22'	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	6.00	22'	
24'	4.91	5.07	5.23	5.39	5.55	5.71	5.87	6.03	6.19	6.35	6.51	24'	
26'	5.32	5.49	5.66	5.83	6.00	6.17	6.34	6.51	6.68	6.85	7.02	26'	
28'	5.73	5.91	6.09	6.27	6.45	6.63	6.81	6.99	7.17	7.35	7.53	28'	
30'	6.14	6.33	6.52	6.71	6.90	7.09	7.28	7.47	7.66	7.85	8.04	30'	
32'	6.55	6.75	6.95	7.15	7.35	7.55	7.75	7.95	8.15	8.35	8.55	32'	
34'	6.96	7.17	7.38	7.59	7.80	8.01	8.22	8.43	8.64	8.85	9.06	34'	
36'	7.37	7.59	7.81	8.03	8.25	8.47	8.69	8.91	9.13	9.35	9.57	36'	
38'	7.78	8.01	8.24	8.47	8.70	8.93	9.16	9.39	9.62	9.85	10.08	38'	
40'	8.19	8.43	8.67	8.91	9.15	9.39	9.63	9.87	10.11	10.35	10.59	40'	
42'	8.60	8.85	9.10	9.35	9.60	9.85	10.10	10.35	10.60	10.85	11.10	42'	
44'	9.01	9.27	9.53	9.79	10.05	10.31	10.57	10.83	11.09	11.35	11.61	44'	
46'	9.42	9.69	9.96	10.23	10.50	10.77	11.04	11.31	11.58	11.85	12.12	46'	
48'	9.83	10.11	10.39	10.67	10.95	11.23	11.51	11.79	12.07	12.35	12.63	48'	
50'	10.24	10.53	10.82	11.11	11.40	11.69	11.98	12.27	12.56	12.85	13.14	50'	



1 DETAIL SCALE: N.T.S.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
PRECAST BOX CULVERT BARRELS
4' x 3' THRU 10' x 10'
SINGLE & MULTIPLE LINES

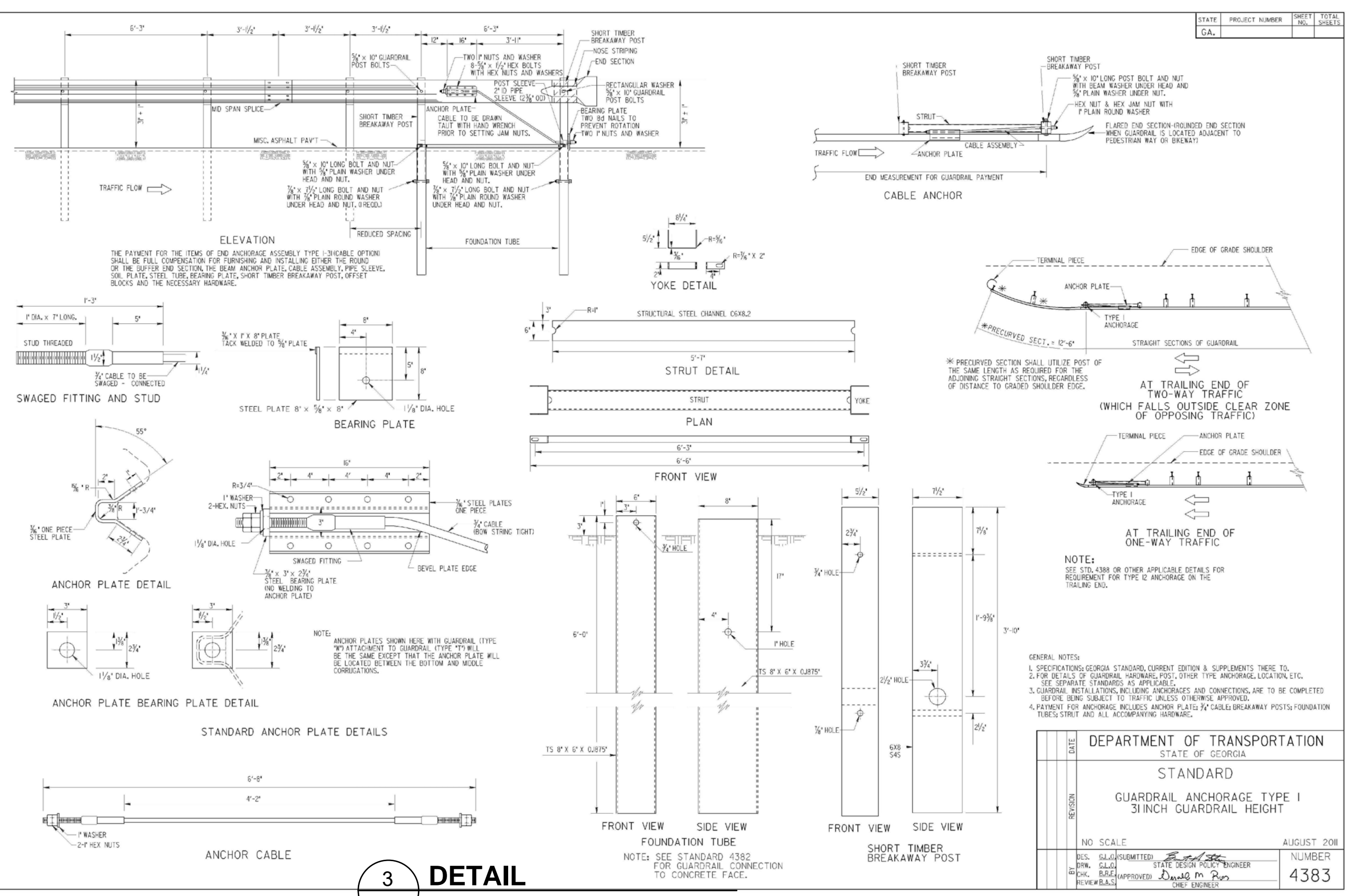
NO SCALE
MARCH 1988

STATE ROAD & AIRWAY DESIGN DIVISION
DESIGNED BY: [Signature]
APPROVED BY: [Signature]

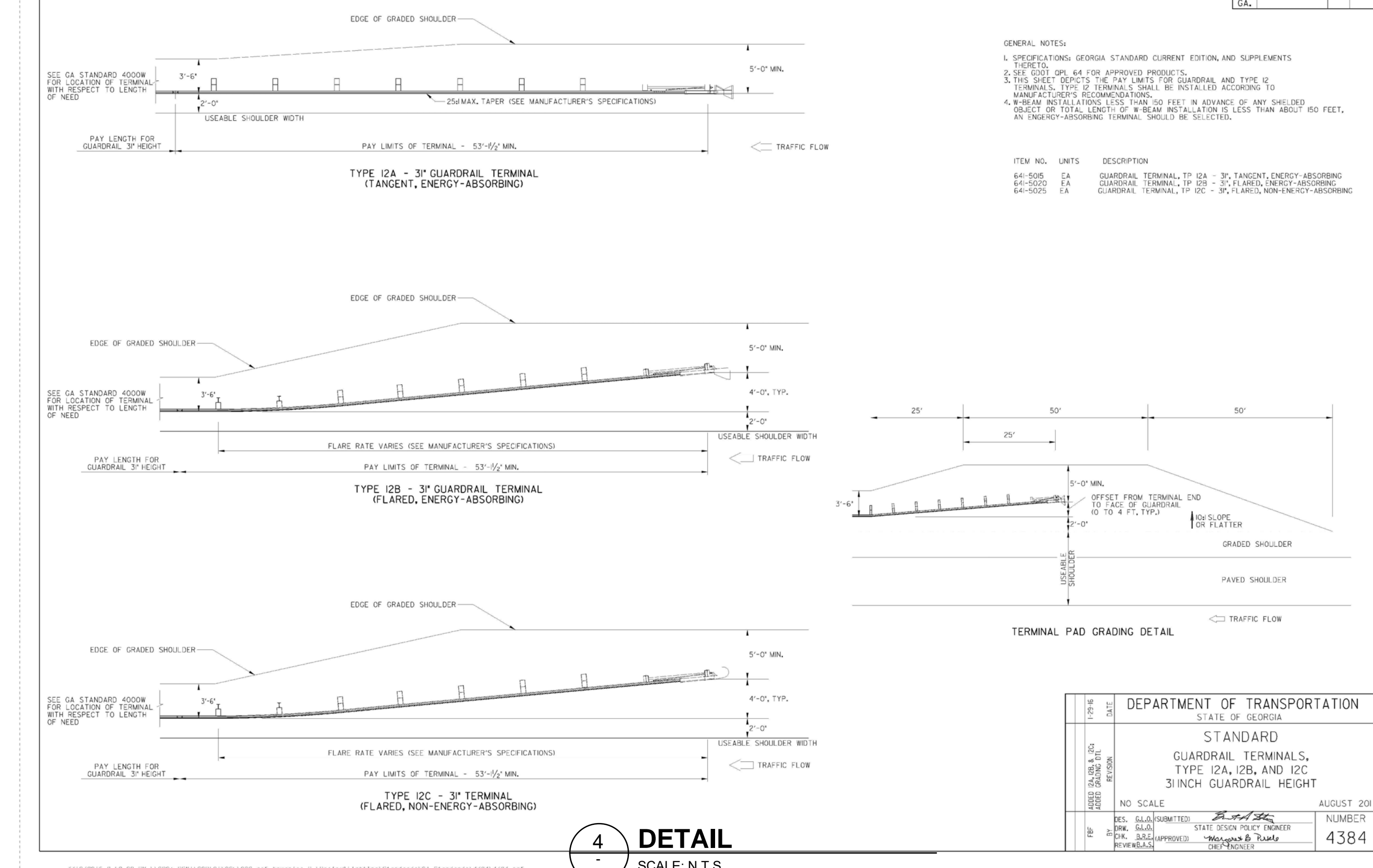
2530P

NOT USED

2 DETAIL SCALE: N.T.S.



3 DETAIL SCALE: N.T.S.



4 DETAIL SCALE: N.T.S.

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1899 POWERS FERRY ROAD SE, SUITE 400
ATLANTA, GEORGIA 30339
TEL: (770) 850-0949 FAX: (770) 850-0950

PROFESSIONAL ENGINEER
DAVID N. LAVERGNE
No. P-200216
12/14/18

GSWCC LEVEL II
CERT. # 0000073529

BY: HA

MARK: 0

DATE: 12/14/18

DESCRIPTION: ISSUED FOR CONSTRUCTION

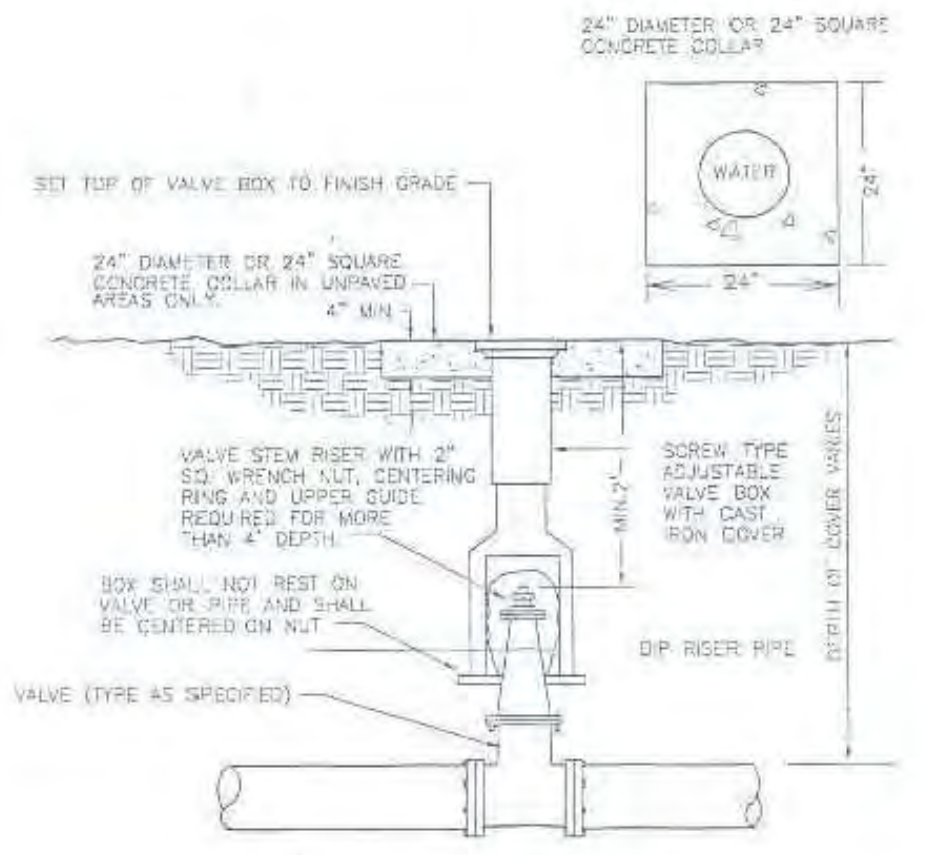
FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT

CONSTRUCTION DETAILS

Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

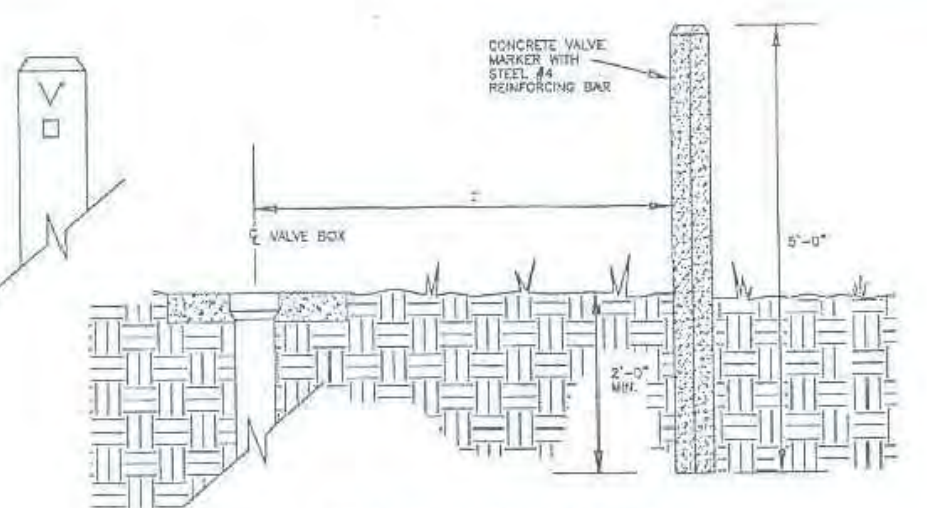
C-501

Bar Measures 1 inch



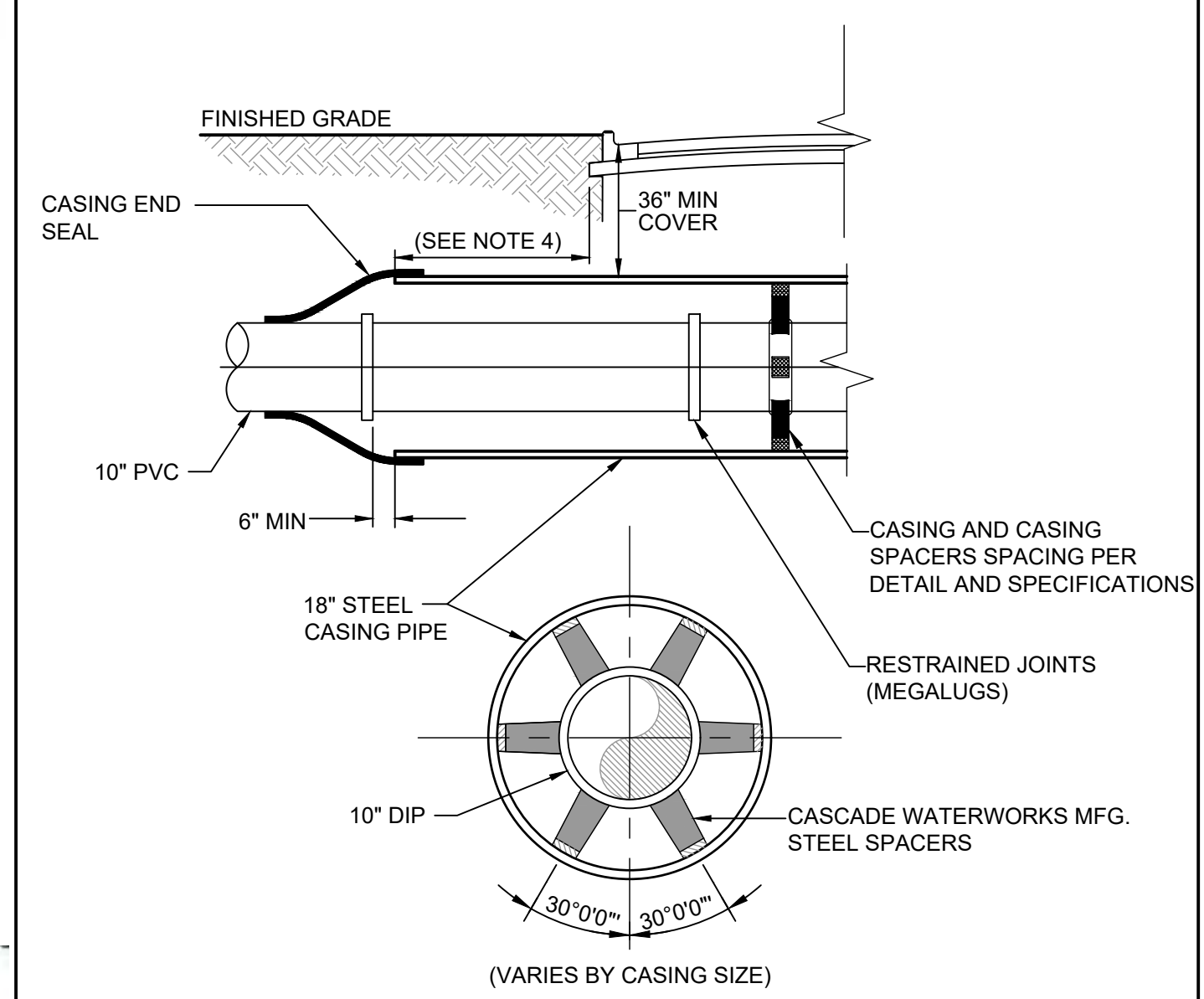
VALVE & VALVE BOX DETAIL

1 DETAIL
SCALE: N.T.S.



VALVE MARKER DETAIL

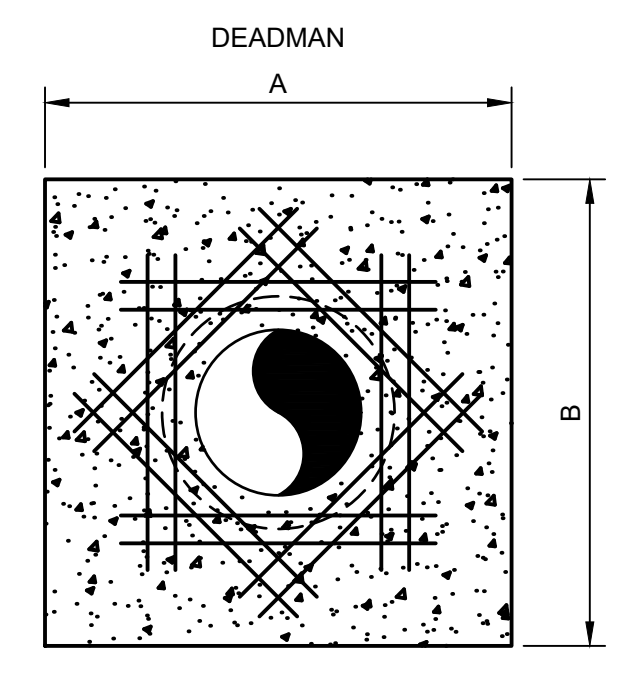
2 DETAIL
SCALE: N.T.S.



STEEL CASING

3 DETAIL
SCALE: N.T.S.

- NOTES:
- DISTANCE BETWEEN SPACERS TO BE PER PROJECT SPECIFICATIONS.
 - NO FLOWABLE FILL BETWEEN THE ANNULAR SPACE OF THE CASING OR CARRIER PIPE.
 - SHALL BE A MINIMUM OF 8' OR MEET FAYETTE COUNTY SPECIFICATIONS REQUIREMENTS, WHICHEVER IS GREATER.

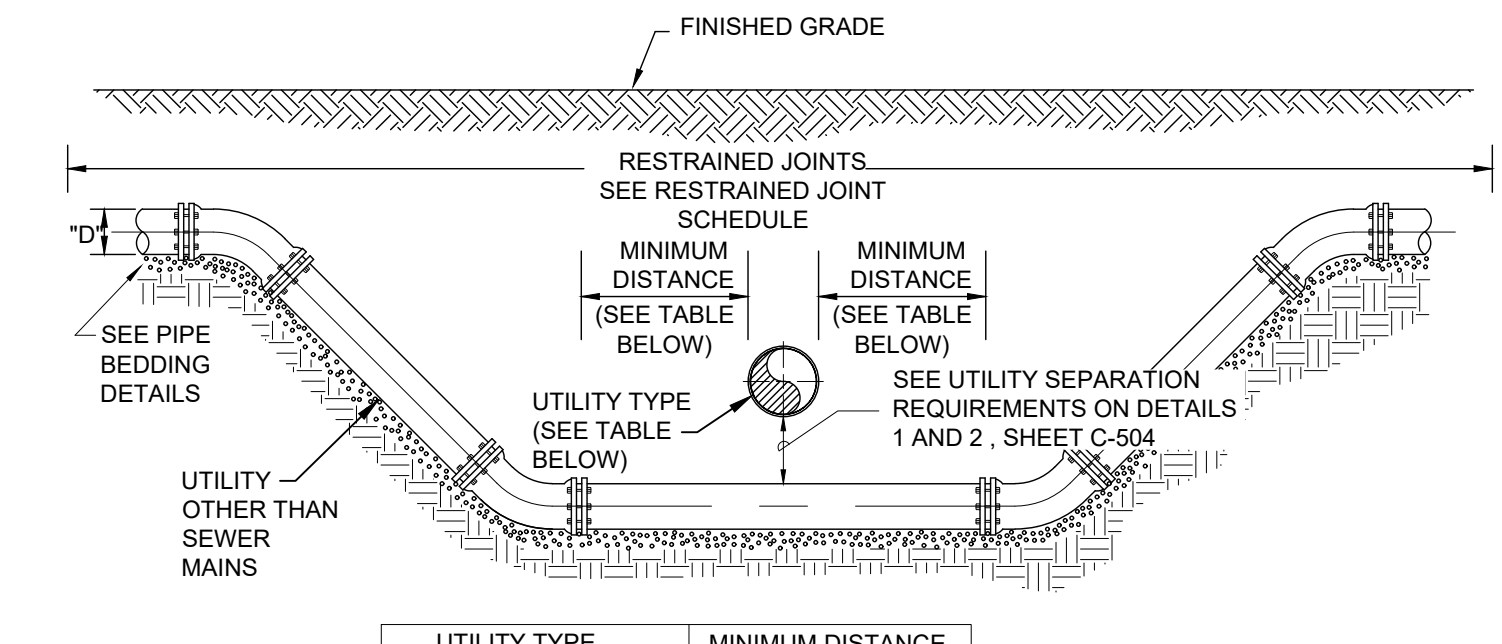


4 DETAIL
SCALE: N.T.S.

- NOTES:
- DEADMAN SHALL BE CLASS "C" CONCRETE; "SACKCRETE" WILL NOT BE ALLOWED.
 - THE UTILITY LINE MUST BE LOWERED IN ORDER TO HAVE FOUR FEET (4') OF COVER AT THE BEND, TEE, REDUCER, OR PLUG AT ALL LOCATIONS WHERE THESE FITTINGS MAY BE UTILIZED.
 - FOR SOIL CONDITIONS LESS THAN 2000 P.S.F. BEARING PRESSURE OR PIPE PRESSURE OVER 150 P.S.I. SPECIAL THRUST BLOCKS/RESTRAINT MUST BE COMPUTED AND APPROVED.
 - CONCRETE SHALL BE POURED AGAINST UNDISTURBED SOIL. DISTURBED SOIL TO BE COMPACTED TO 95% OPTIMUM MOISTURE CONTENT.
 - MAINTAIN 2" CLEARANCE BETWEEN PIPE WALL AND REBAR.

LINE PRESSURE = 150 PSI
SOIL PRESSURE = 2000 PSF

PIPE SIZE X	A	B
6"	2'-0"	2'-0"
8"	2'-6"	2'-6"
10"	3'-6"	3'-6"
12"	4'-0"	4'-0"
14"	4'-6"	4'-6"
16"	5'-0"	5'-0"
18"	6'-0"	6'-0"
20"	6'-6"	6'-6"
24"	7'-6"	7'-6"



UTILITY TYPE	MINIMUM DISTANCE
SANITARY SEWER OR FORCE MAIN	10'-0" MIN.
OTHER THAN SEWER	1'-0" MIN.

NOTE: 18" MIN SEPARATION FOR STORM DRAIN CROSSINGS

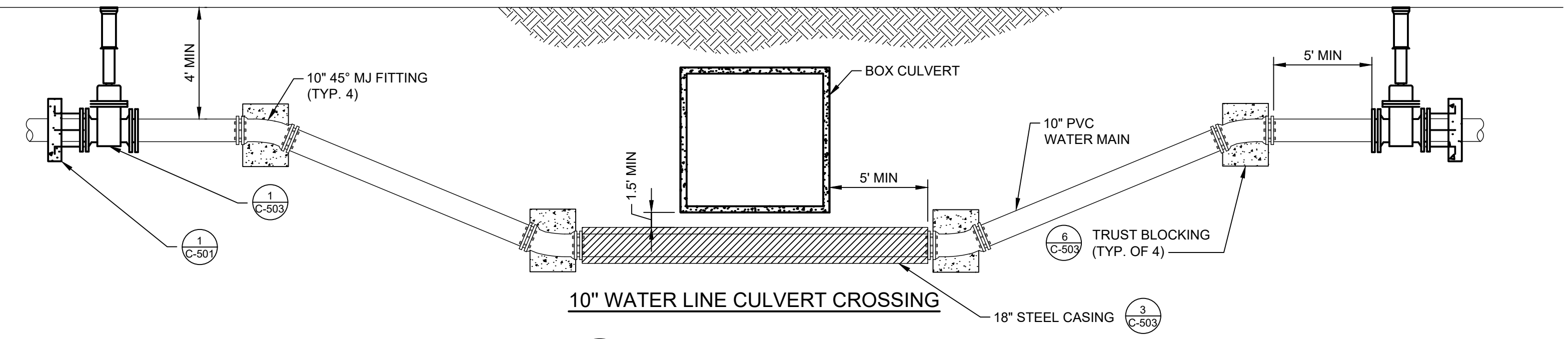
RESTRAINED JOINT UTILITY CROSSING FOR UTILITIES OTHER THAN SEWER MAINS

PIPE DIA (Inches)	RESTRAINED LENGTH EACH SIDE OF RESTRAINED FITTING (FEET)				RESTRAINED LENGTH FOR REDUCERS															
	DIP				PVC															
	90°	45°	22-1/2°	11-1/4°	90°	45°	22-1/2°	11-1/4°	3	4	6	8	10	12	16	20	24	30	36	
4	35	15	10	5	55	25	15	10	40	-	-	-	-	-	-	-	-	-	-	PVC
6	55	25	10	5	80	35	20	10	50	45	-	-	-	-	-	-	-	-	-	PVC
8	65	30	15	10	90	40	20	10	75	70	40	-	-	-	-	-	-	-	-	PVC
10	80	35	20	10	110	50	25	15	95	90	70	40	-	-	-	-	-	-	-	PVC
12	95	40	20	10	130	55	30	15	120	115	100	75	40	-	-	-	-	-	-	PVC
16	120	50	25	15	165	70	35	20	160	155	140	125	100	70	-	-	-	-	-	PVC
20	150	65	30	15	200	85	40	20	200	195	185	170	150	130	75	-	-	-	-	PVC
24	160	70	35	20	210	90	45	25	160	155	150	140	135	120	90	50	-	-	-	DIP
30	190	80	40	20	250	105	50	25	195	190	185	180	170	160	120	105	70	-	-	DIP
36	220	95	45	25	-	-	-	-	225	220	215	210	205	195	180	150	125	70	-	DIP
42	245	105	50	25	-	-	-	-	245	240	235	230	225	220	205	180	155	105	50	DIP
48	260	120	60	30	-	-	-	-	255	250	245	240	235	230	215	195	175	125	70	DIP

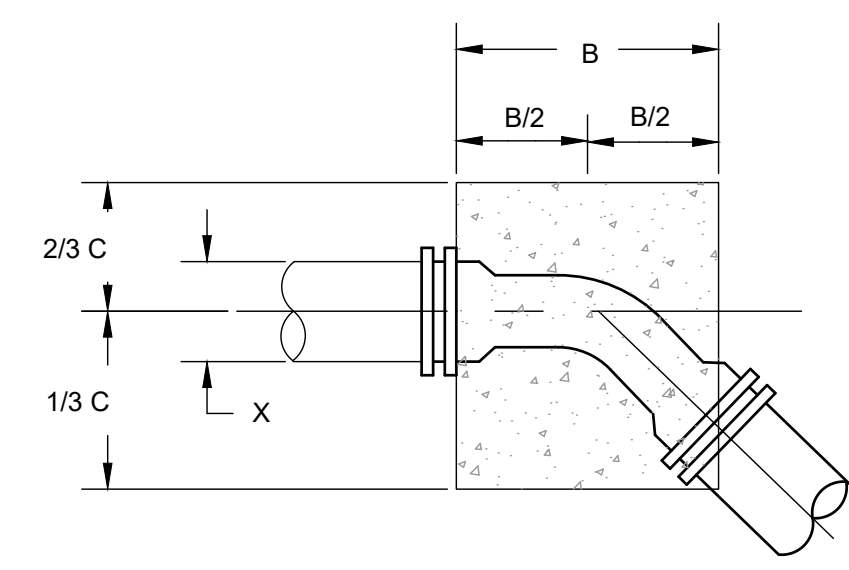
RESTRAINED LENGTHS FOR DEAD ENDS, BRANCHES AND HDPE TO PVC TRANSITIONS SHALL BE THE SAME AS FOR 90° BENDS. IN-LINE VALVES SHALL BE RESTRAINED 20' EACH SIDE OF THE VALVE. (IF A JOINT FALLS AT THE MAXIMUM DISTANCE, IT SHALL BE RESTRAINED). TABLE BASED ON IRON FITTINGS. TEST PRESSURE 150 PSI.

RESTRAINED JOINT SCHEDULE

5 DETAIL
SCALE: N.T.S.



5 DETAIL
SCALE: N.T.S.



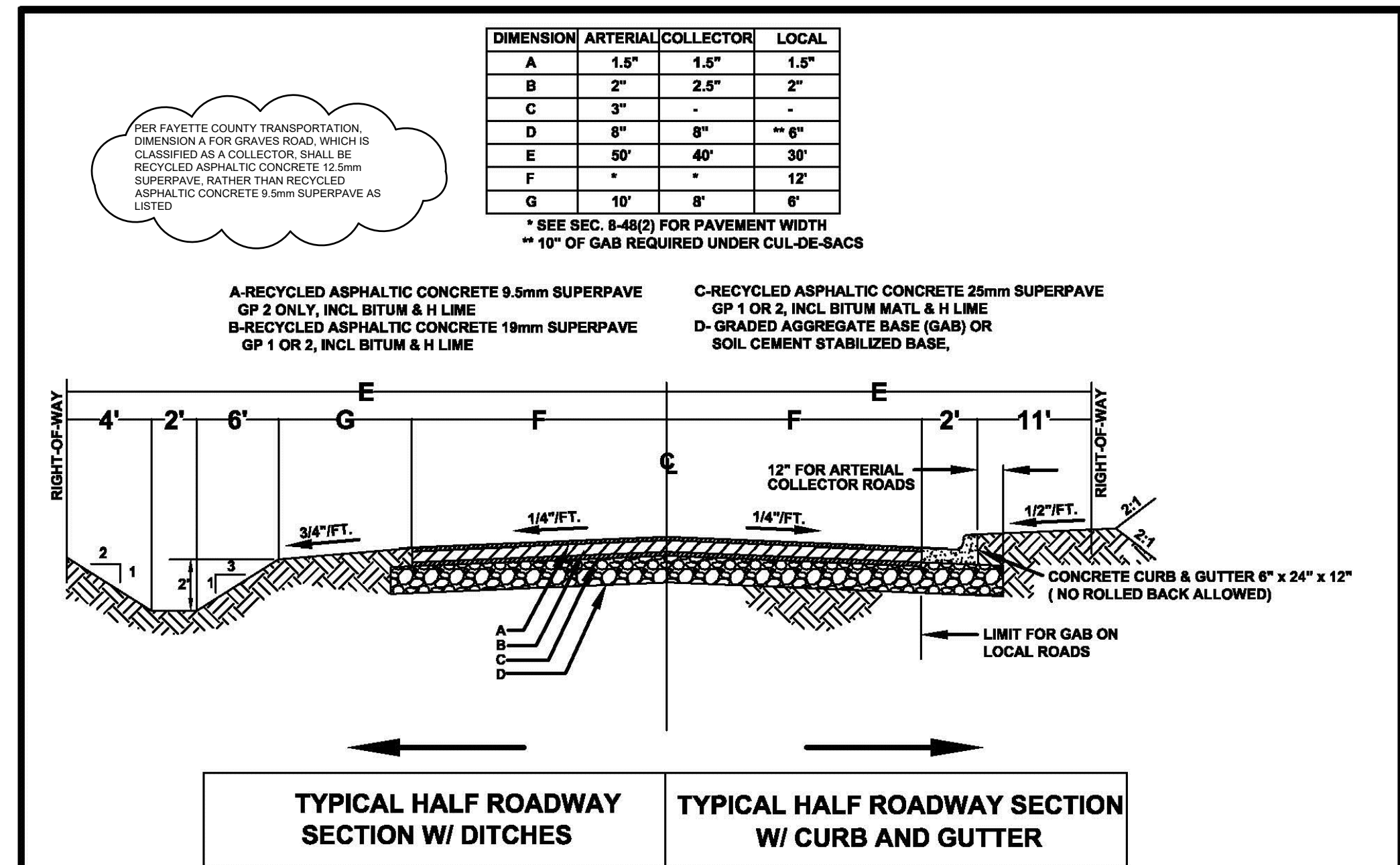
THRUST BLOCKING
N.T.S.

Line Pressure = 200 PSI
Soil Pressure = 2000 PSF

Pipe Size X	A	B	C	D
45 DEGREE BEND				
24"	2'-4"	5'-6"	5'-0"	3'-9"
20"	1'-11"	4'-6"	4'-0"	3'-0"
18"	1'-9"	4'-0"	4'-0"	2'-9"
16"	1'-7"	3'-6"	3'-6"	2'-3"
14"	1'-3"	3'-0"	3'-0"	2'-0"
12"	1'-3"	3'-0"	2'-6"	2'-0"
10"	1'-3"	2'-6"	2'-0"	1'-9"
8"	1'-0"	1'-9"	1'-9"	1'-3"
6"	0'-11"	1'-6"	1'-6"	1'-0"
4"	0'-9"	1'-0"	1'-0"	1'-0"

NOTE: THESE THRUST BLOCKING DETAILS SHALL BE USED IN CONJUNCTION WITH RESTRAINT JOINT PIPE.

7 DETAIL
SCALE: N.T.S.



DIMENSION	ARTERIAL/COLLECTOR	LOCAL
A	1.5"	1.5"
B	2"	2.5"
C	3"	-
D	8"	8"
E	50'	40'
F	*	12'
G	10'	8'

* SEE SEC. 8-48(2) FOR PAVEMENT WIDTH
** 10" OF GAB REQUIRED UNDER CUL-DE-SACS

- A-RECYCLED ASPHALTIC CONCRETE 9.5mm SUPERPAVE GP 2 ONLY, INCL BITUM & H LIME
- B-RECYCLED ASPHALTIC CONCRETE 19mm SUPERPAVE GP 1 OR 2, INCL BITUM & H LIME
- C-RECYCLED ASPHALTIC CONCRETE 25mm SUPERPAVE GP 1 OR 2, INCL BITUM MATL & H LIME
- D- GRADED AGGREGATE BASE (GAB) OR SOIL CEMENT STABILIZED BASE,

TYPICAL HALF ROADWAY SECTION W/ DITCHES

TYPICAL HALF ROADWAY SECTION W/ CURB AND GUTTER

6 DETAIL
SCALE: N.T.S.

FAYETTE COUNTY, GEORGIA
ENGINEERING DEPARTMENT
TELEPHONE: 770.460.5730 EXT. 5410
WEBSITE: www.fayettecountyga.gov

FAYETTE COUNTY
TYPICAL ROAD CROSS SECTION
FIGURE 8-49(4)

NO.	DATE	BY	REVISIONS	DRAWN BY:	SCALE:	DATE:
01	02/2017	JLR	ASPHALT	JJG	NTS	SEPTEMBER 27, 2006

TETRA TECH
www.tetra-tech.com
1899 POWERS FERRY ROAD SE, SUITE 400
ATLANTA, GEORGIA 30339
TEL: (770) 850-0949 FAX: (770) 850-0950

PROFESSIONAL ENGINEER
DAVID N. LAVERGNE
No. 12414
GWSOC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY
0	12/14/18	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
CONSTRUCTION DETAILS

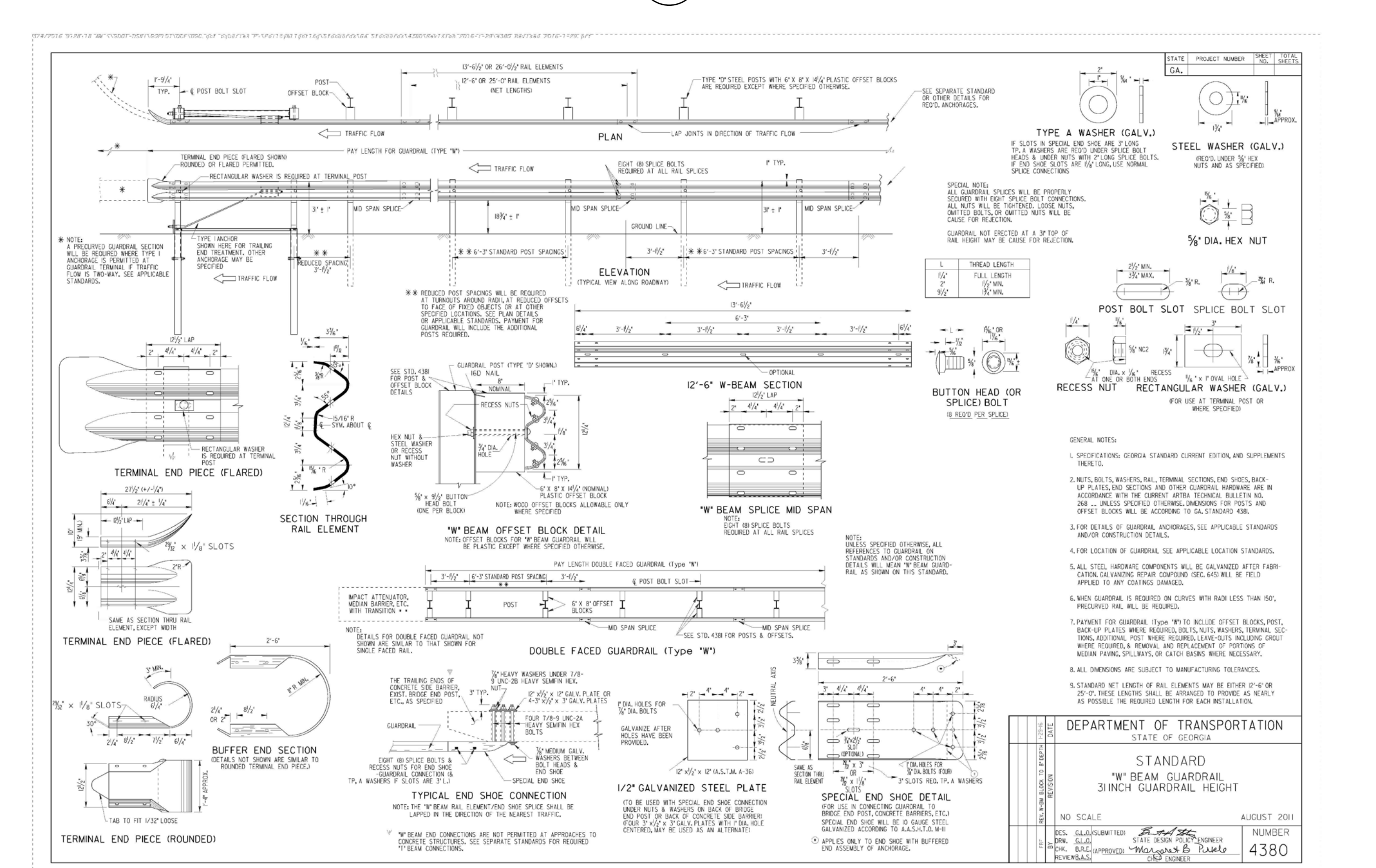
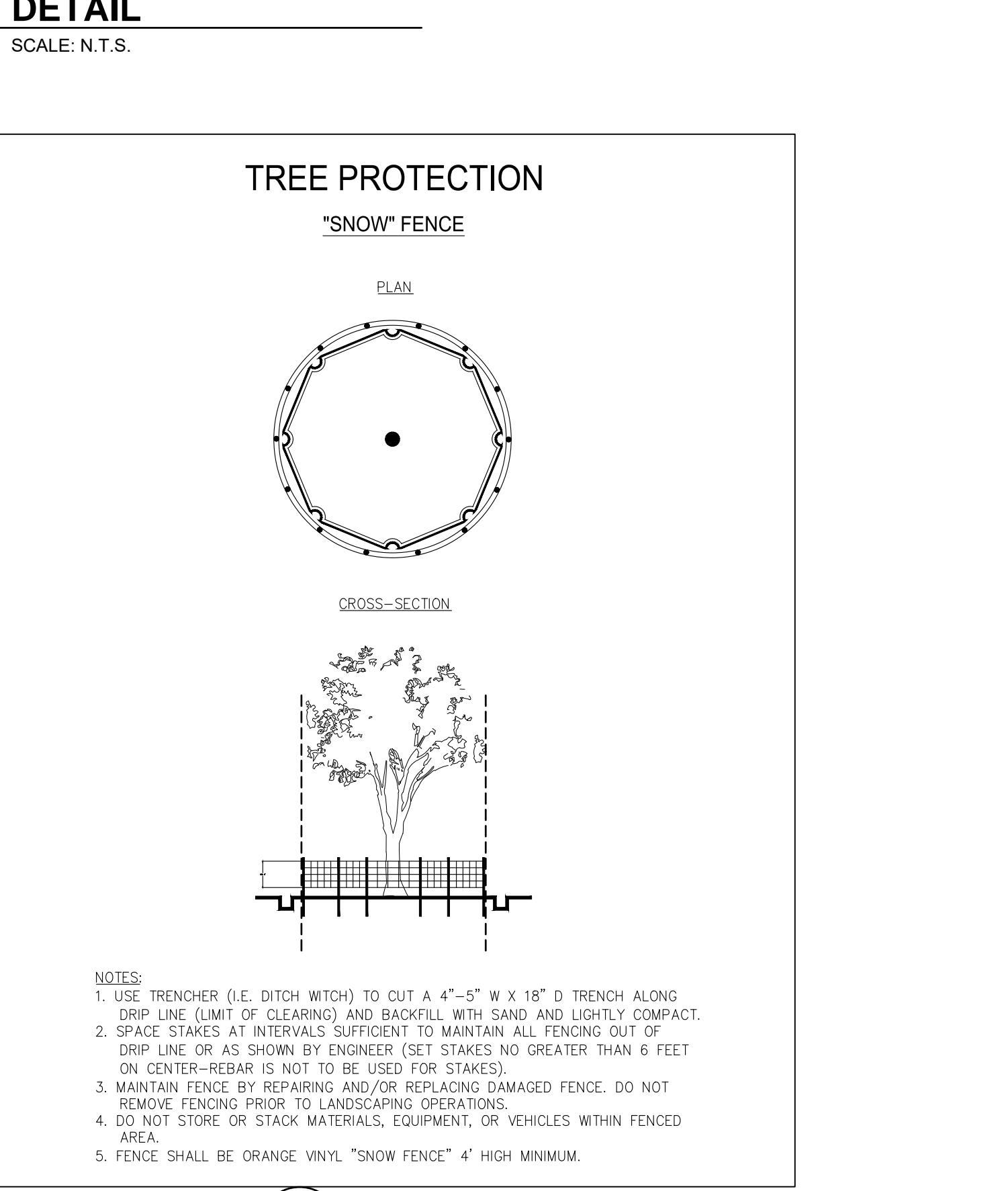
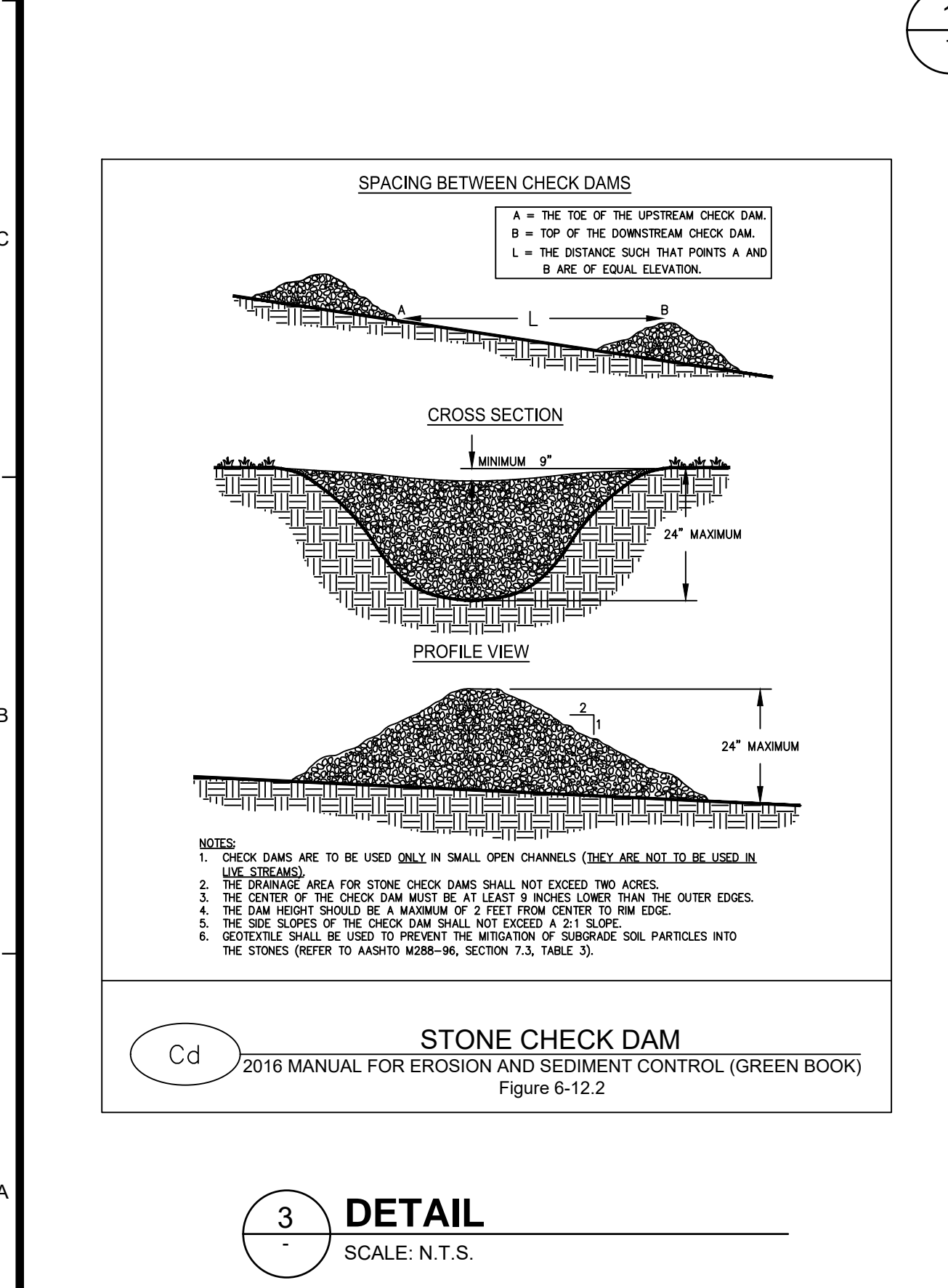
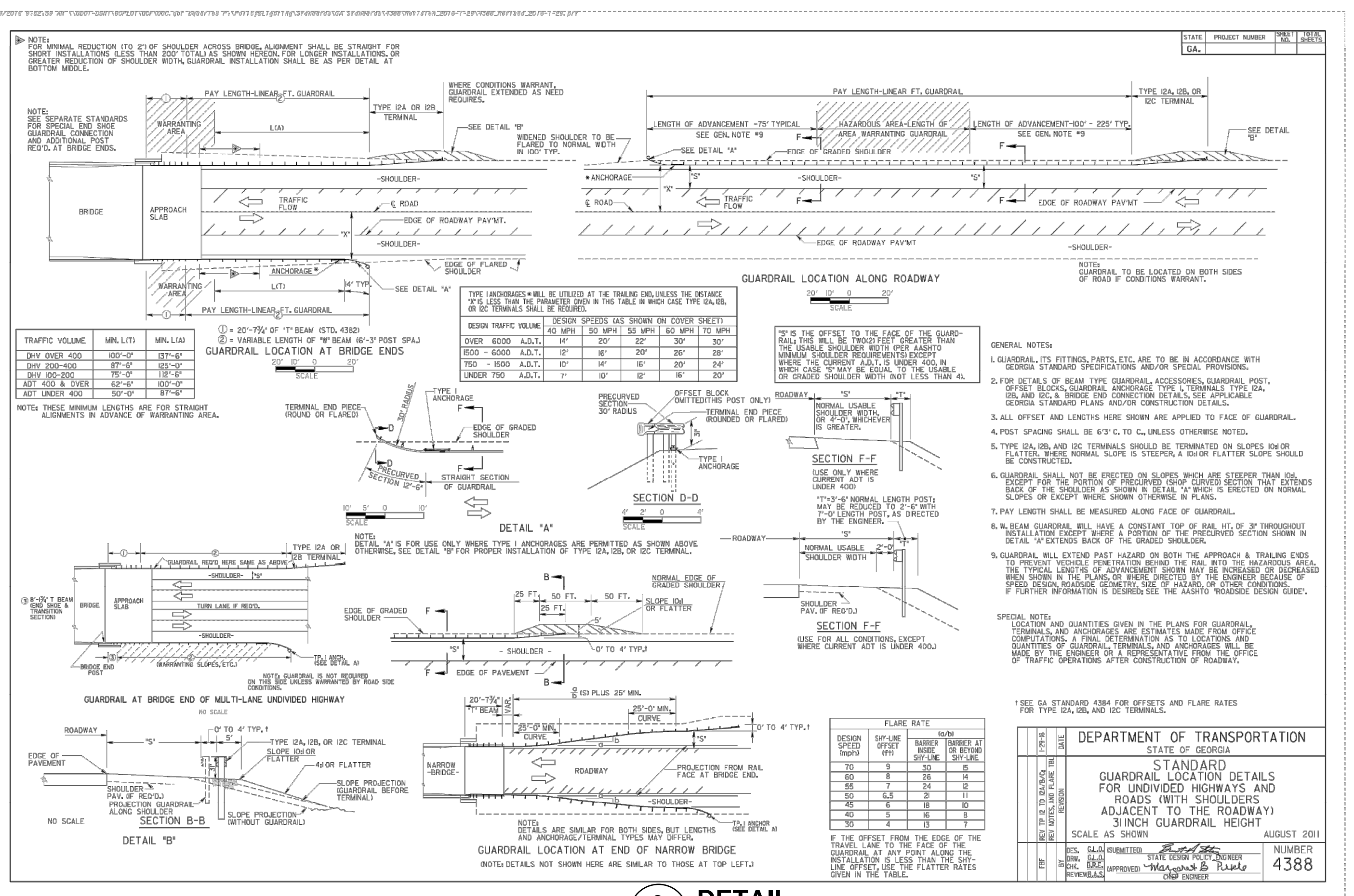
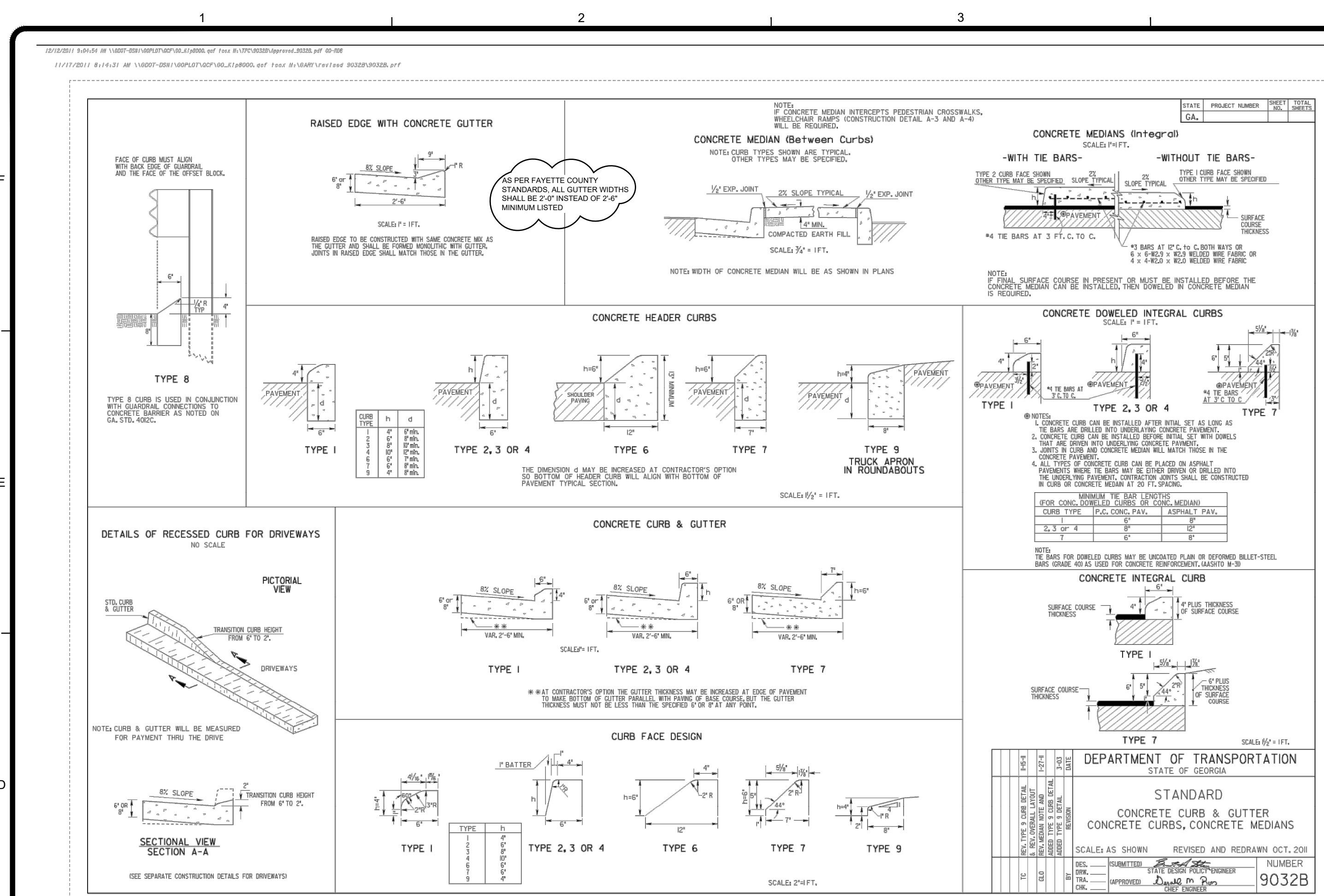
Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

C-503

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Copyright Tetra Tech

Bar Measures 1 inch



12/14/2016 5:07:38 PM - O:\PROJECTS\TALANTA\2017-17045\CAD\SHSHEET\FILE-504 CONSTRUCTION DETAILS DWG - CULMIRE, CALEB

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1899 POWERS FERRY ROAD SE, SUITE 400
ATLANTA, GEORGIA 30339
TEL: (770) 850-0949 FAX: (770) 850-0950

TETRA TECH

DAVID N. LAVERINE
PROFESSIONAL ENGINEER
No. 12141

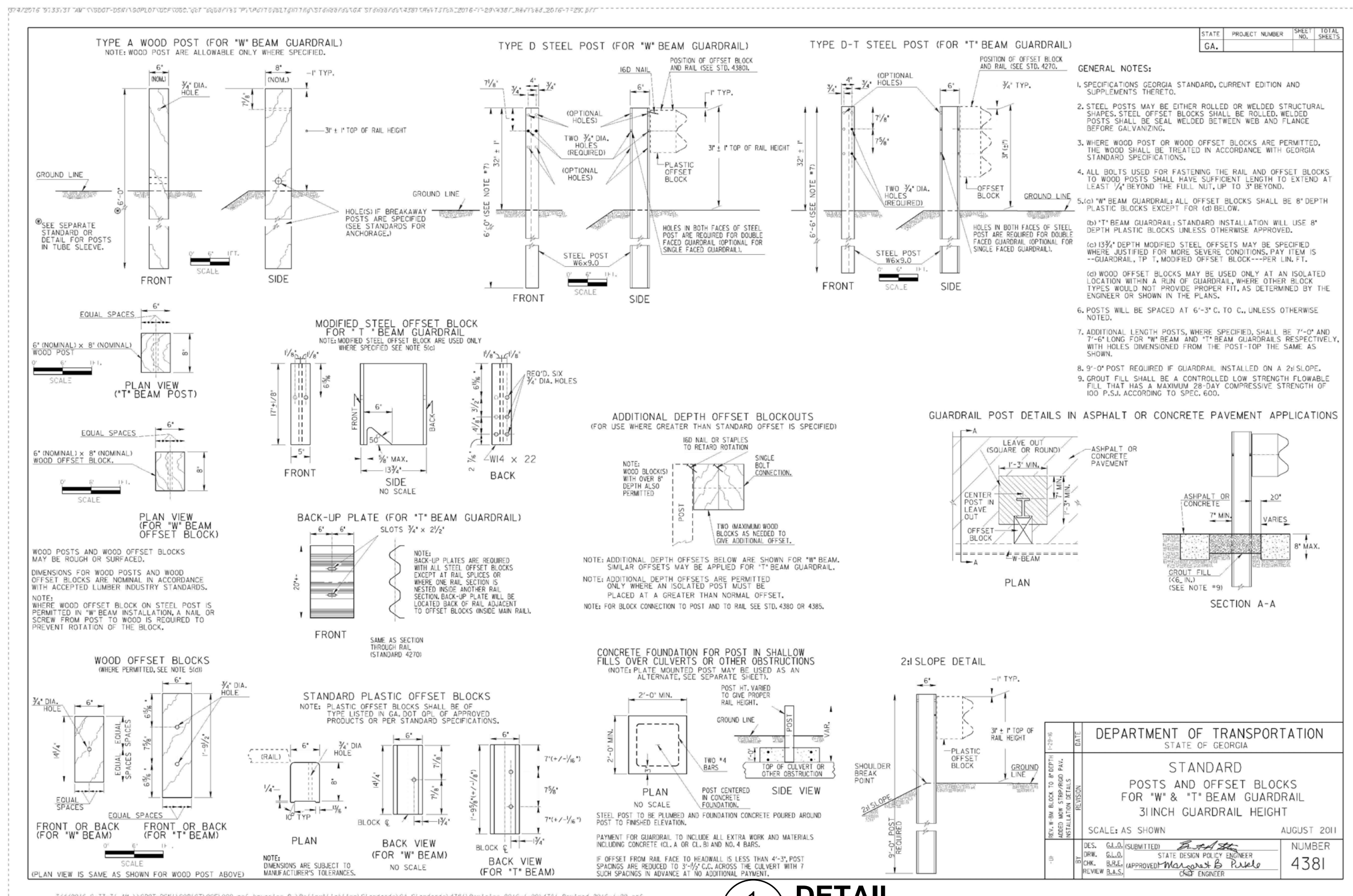
GSWCC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION	BY
0	12/14/18	ISSUED FOR CONSTRUCTION	HA

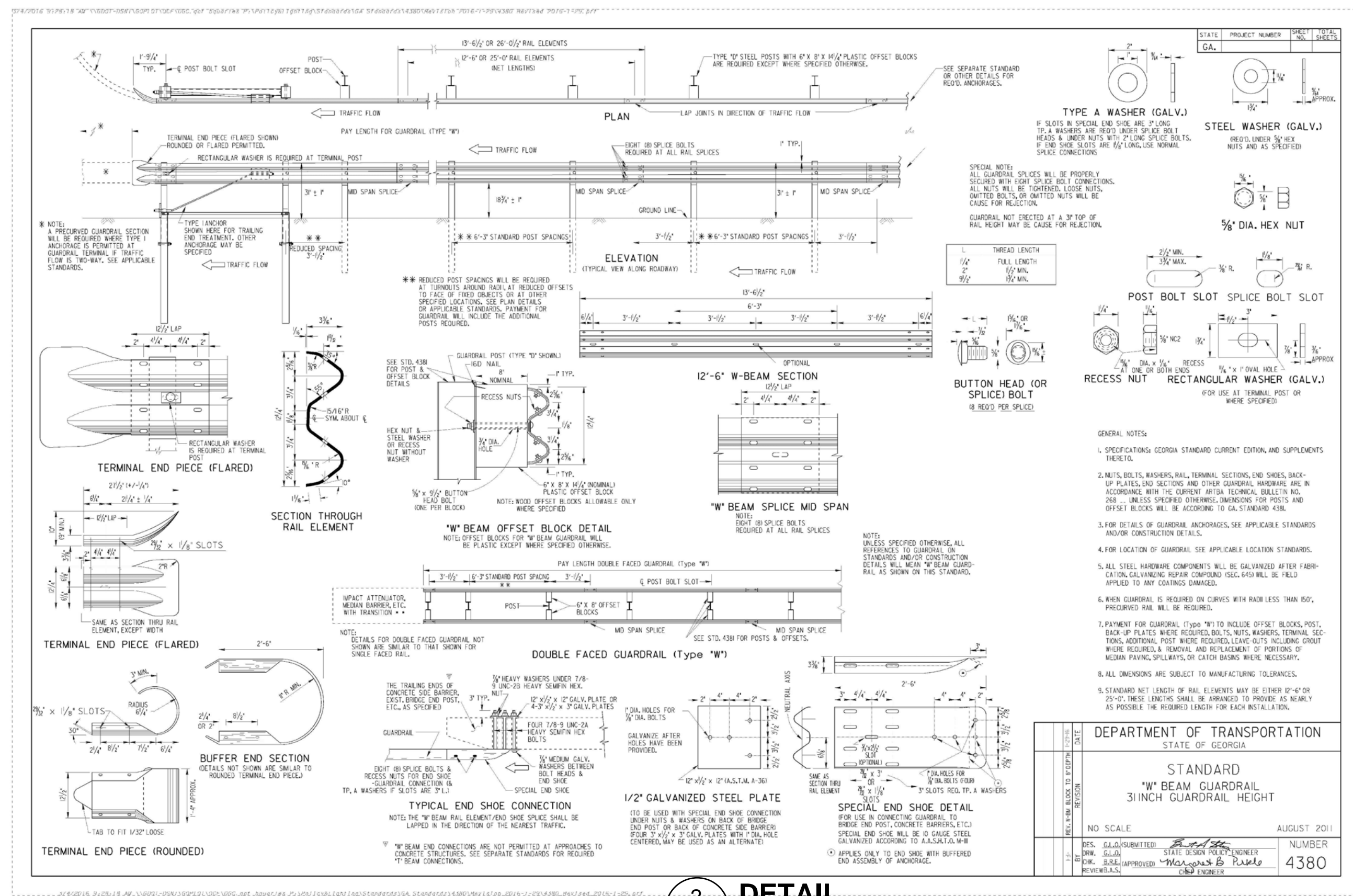
FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
CONSTRUCTION DETAILS

Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

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1 DETAIL
SCALE: N.T.S.



2 DETAIL
SCALE: N.T.S.

MARK	DATE	DESCRIPTION	BY
0	12/14/18	ISSUED FOR CONSTRUCTION	HA

FAYETTE COUNTY	GRAVES RD CULVERT REPLACEMENT
CONSTRUCTION DETAILS	

Project No.:	200-01297-17045
Designed By:	CG
Drawn By:	HA
Checked By:	DL

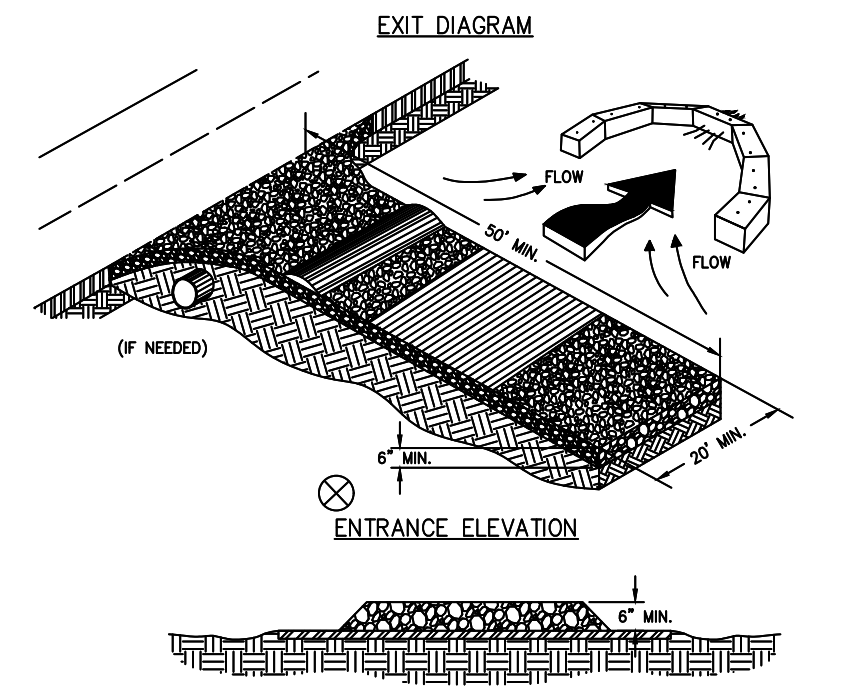
EROSION CONTROL ACTIVITIES

Table with columns for activity codes (Co, Sd1, Ds1, Ds2) and their corresponding symbols and descriptions.

Table listing types of species (Cool season grasses, Ground covers, Pine seedlings, etc.), their years, analysis or equivalent N-P-K, and top dressing rates.

FOR TEMPORARY PROTECTION OF CRITICAL AREAS WITHOUT SEEDING... MATERIALS INSTALLATION... EROSION CONTROL MATTING OR NETTING... POLYETHYLENE FILM...

CRUSHED STONE CONSTRUCTION EXIT EXIT DIAGRAM



- NOTES: 1. AVOID LOCATING ON STEEP SLOPES... 2. REMOVE ALL VEGETATION... 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION... 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6"... 5. PAD WIDTH SHALL BE EQUAL TO FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS...

EROSION CONTROL NOTES:

- 1. EROSION CONTROL PRACTICES MUST COMPLY WITH THE MINIMUM BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS IN THE "MANUAL FOR EROSION CONTROL AND SEDIMENT CONTROL IN GEORGIA".
- 2. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.
- 3. DISTURBED AREAS LEFT IDLE FOR FIVE DAYS, AND NOT TO FINAL GRADE, WILL BE ESTABLISHED WITH TEMPORARY MULCH (DS1) OR VEGETATION (DS2).

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

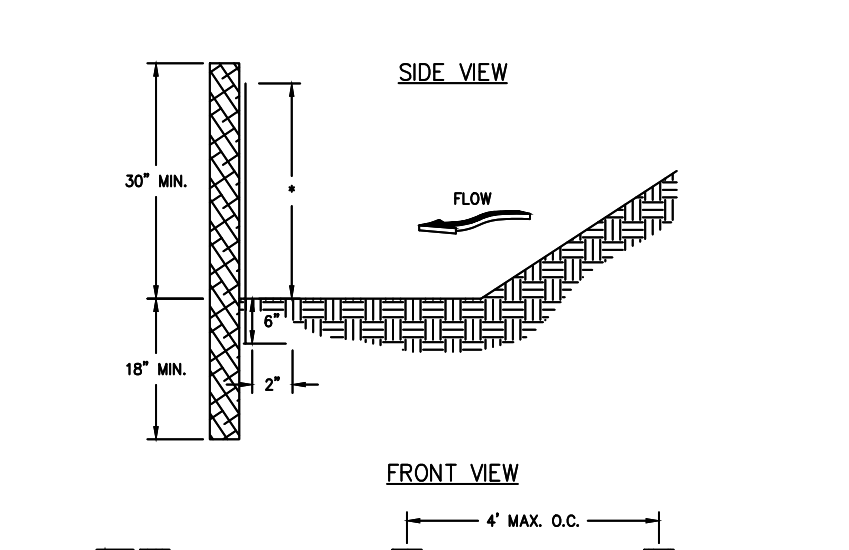
Table with activity code Ds1 and description: 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK)

Table with columns: SPECIES, BROADCAST RATES, RESOURCE AREA, PLANTING DATES, and REMARKS.

Table with activity code Co and description: 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK)

Large table listing various species (Barley, Lespedeza, Livestock, Millet, etc.) with their broadcast rates, resource areas, and planting schedules.

Large table listing species (Bahia, Paspalum, etc.) with their broadcast rates, resource areas, and planting schedules.



- NOTES: 1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
- 2. HEIGHT (H) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

STRUCTURAL PRACTICES

Table listing structural practices: Co CONSTRUCTION EXIT, Sd1-S SEDIMENT BARRIER, Su SURFACE ROUGHENING, Ss SLOPE STABILIZATION, Cd STONE CHECK DAM.

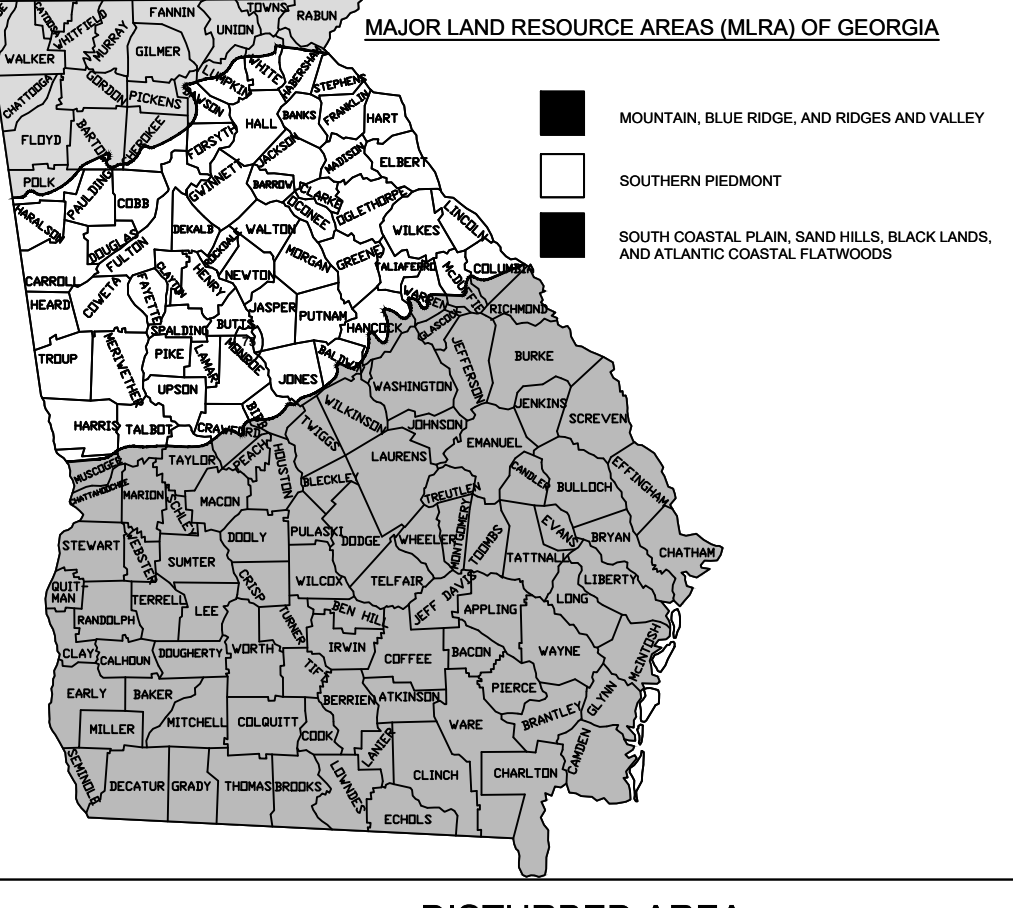
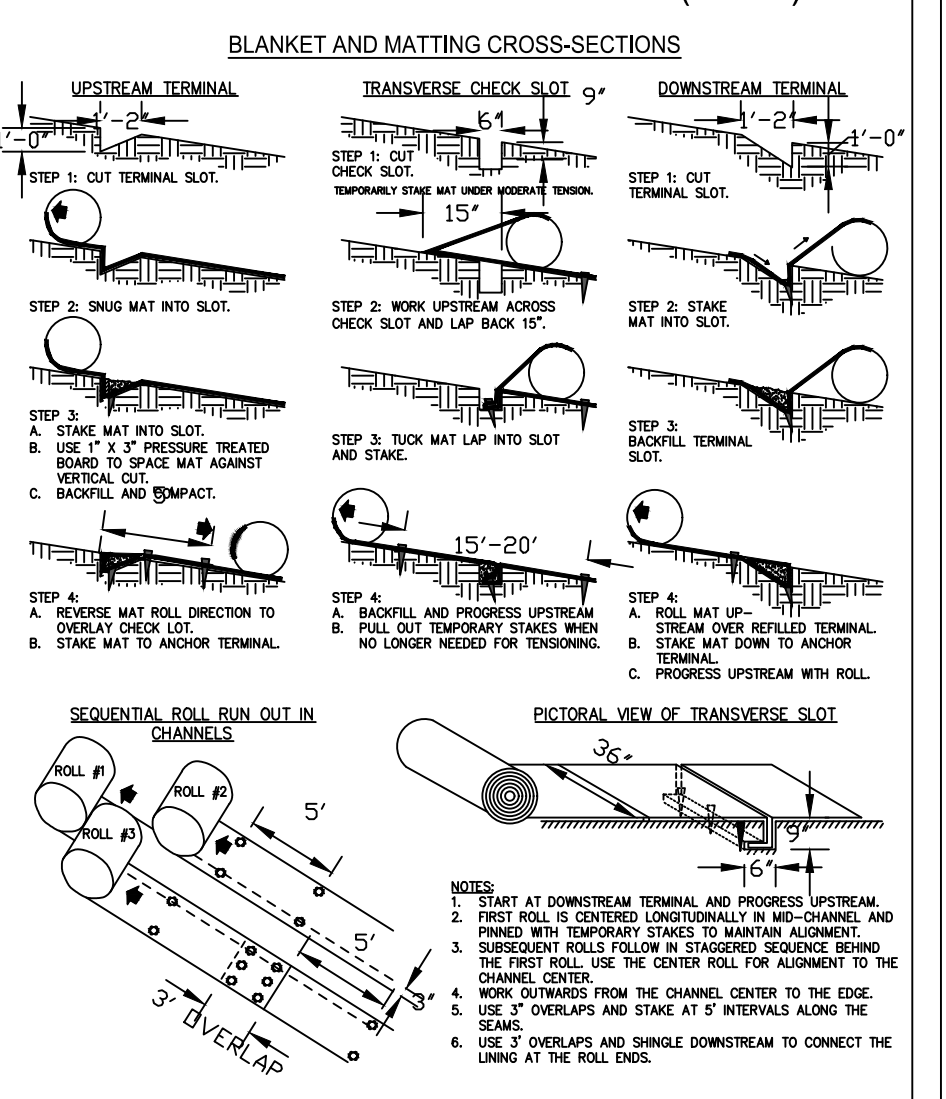
VEGETATIVE PRACTICES

Table listing vegetative practices: Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY), Ds2 DISTURBED AREA STABILIZATION (WITH TEMP SEEDING), Ds3 PERMANENT VEGETATION, Bf BUFFER ZONE.

CONSTRUCTION SCHEDULE

Table with columns: MONTHS, 1, 2, 3. Rows: INSTALLATION OF SEDIMENT CONTROL MEASURES, DEMOLITION, CLEARING, GRUBBING, PIPE INSTALLATION, PAVING, GRASSING, MAINTAINING OF EROSION AND SOIL CONTROL MEASURES, FINAL LANDSCAPING, GRASSING.

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)



DISTURBED AREA STABILIZATION (TEMP. SEEDING)

Table with activity code Ds2 and description: 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK)

Table with activity code Ds3 and description: 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK)

SILT FENCE-TYPE SENSITIVE

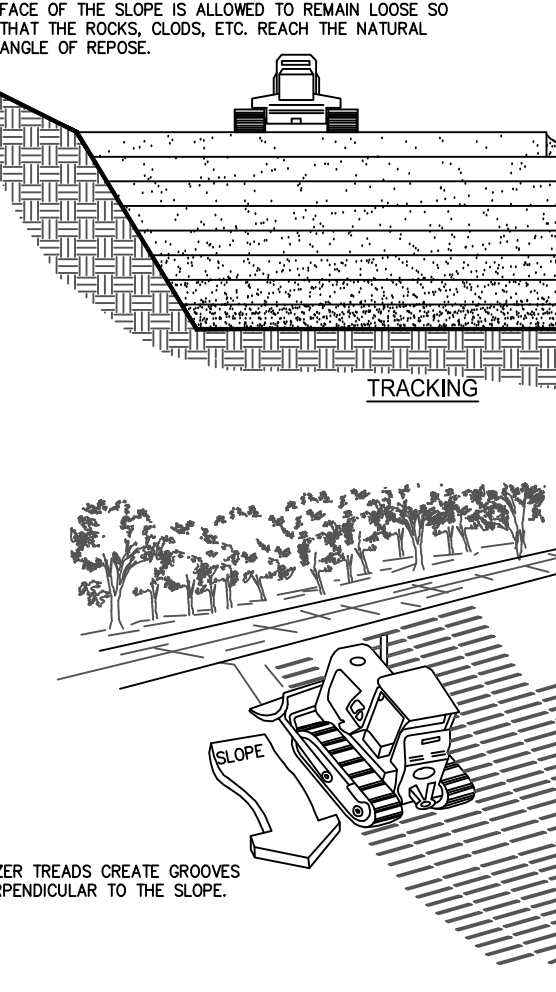
Table with activity code Sd1-S and description: 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK)



FILL SLOPE TREATMENT



CONSTRUCTION EXIT



SURFACE ROUGHENING

Table with activity code Su and description: 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK)

SLOPE STABILIZATION

Table with activity code Ss and description: 2014 MANUAL FOR EROSION AND SEDIMENT CONTROL (GREEN BOOK)

TETRA TECH logo and contact information: 1899 POWERS FERRY ROAD SE, SUITE 400 ATLANTA, GEORGIA 30339. TEL: (770) 850-0949 FAX: (770) 850-0950. GSWCC LEVEL II CERT. # 000073529

CONSTRUCTION DETAILS table with columns: MARK, DATE, DESCRIPTION, ISSUED FOR CONSTRUCTION. Includes project details for Fayette County Graves Rd Culvert Replacement.

Project No.: 200-01297-17045. Designed by: CG. Drawn by: HA. Checked by: DL. C-506. Bar Measures 1 inch.

12/14/2018 5:08:06 PM - O:\PROJECTS\TALANTA\TAIR01297\200-01297-17045\CAD\SHEET\FLS\506 EROSION CONTROL DETAILS.DWG - GULLMIRE, CALEB

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: Towaliga

Project Name: Graves Road Culvert Replacement Address: 287 Graves Rd, Fayetteville, GA 30215
City/County: Fayetteville/Fayette Date on Plans: 12/14/2018
Name & email of person filling out checklist: David N. Lavergne, P.E. david.lavergne@tetratech.com

TO BE SHOWN ON ES&PC PLAN

- | | | |
|-------------|-------------------------------------|--|
| Plan Page # | Included Y/N | |
| C-507 | <input checked="" type="checkbox"/> | 1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
<i>(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)</i> |
| ALL | <input checked="" type="checkbox"/> | 2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
<i>(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)</i> |
| C-507 | <input checked="" type="checkbox"/> | 3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. |
| C-507 | <input checked="" type="checkbox"/> | 4 Provide the name, address and phone number of primary permittee. |
| G-002 | <input checked="" type="checkbox"/> | 5 Note total and disturbed acreage of the project or phase under construction. |
| G-002 | <input checked="" type="checkbox"/> | 6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees. |
| ALL | <input checked="" type="checkbox"/> | 7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. |
| G-002 | <input checked="" type="checkbox"/> | 8 Description of the nature of construction activity. |
| G-000 | <input checked="" type="checkbox"/> | 9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. |
| C-506 | <input checked="" type="checkbox"/> | 10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. |
| C-506 | <input checked="" type="checkbox"/> | 11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit. |
| N/A | <input type="checkbox"/> | 12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.* |
| N/A | <input type="checkbox"/> | 13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on page 26 of permit as applicable.* |
| N/A | <input type="checkbox"/> | 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5. within 7 days after installation." |
| C-506 | <input checked="" type="checkbox"/> | 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." |
| C-506 | <input checked="" type="checkbox"/> | 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. |
| N/A | <input type="checkbox"/> | 17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." |
| N/A | <input type="checkbox"/> | 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit." |
| C-506 | <input checked="" type="checkbox"/> | 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and |

sediment control measures and practices prior to land disturbing activities."

- | | | |
|-------|-------------------------------------|---|
| C-506 | <input checked="" type="checkbox"/> | 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source." |
| C-506 | <input checked="" type="checkbox"/> | 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." |
| N/A | <input type="checkbox"/> | 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment." |
| N/A | <input type="checkbox"/> | 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan." |
| C-506 | <input checked="" type="checkbox"/> | 24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited." |
| G-002 | <input checked="" type="checkbox"/> | 25 Provide BMPs for the remediation of all petroleum spills and leaks. |
| N/A | <input type="checkbox"/> | 26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed." |
| N/A | <input type="checkbox"/> | 27 Description of the practices that will be used to reduce the pollutants in storm water discharges." |
| C-506 | <input checked="" type="checkbox"/> | 28 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization). |
| N/A | <input type="checkbox"/> | 29 Provide complete requirements of inspections and record keeping by the primary permittee." |
| N/A | <input type="checkbox"/> | 30 Provide complete requirements of sampling frequency and reporting of sampling results." |
| N/A | <input type="checkbox"/> | 31 Provide complete details for retention of records as per Part IV.F. of the permit." |
| N/A | <input type="checkbox"/> | 32 Description of analytical methods to be used to collect and analyze the samples from each location." |
| N/A | <input type="checkbox"/> | 33 Appendix B rationale for NTU values at all outfall sampling points where applicable." |
| N/A | <input type="checkbox"/> | 34 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable." |
| N/A | <input type="checkbox"/> | 35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase." |
| ALL | <input checked="" type="checkbox"/> | 36 Graphic scale and North arrow. |
| C-104 | <input checked="" type="checkbox"/> | 37 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
Existing Contours USGS 1":2000' Topographical Sheets
Proposed Contours 1":400' Centerline Profile |
| N/A | <input type="checkbox"/> | 38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation |

Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.

- | | | |
|-------|-------------------------------------|---|
| N/A | <input type="checkbox"/> | 39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition." |
| C-105 | <input checked="" type="checkbox"/> | 40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact. |
| C-101 | <input checked="" type="checkbox"/> | 41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site. |
| C-506 | <input checked="" type="checkbox"/> | 42 Delineation and acreage of contributing drainage basins on the project site. |
| C-506 | <input checked="" type="checkbox"/> | 43 Delineate on-site drainage and off-site watersheds using USGS 1":2000' topographical sheets. |
| G-002 | <input checked="" type="checkbox"/> | 44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. |
| C-104 | <input checked="" type="checkbox"/> | 45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points. |
| C-507 | <input checked="" type="checkbox"/> | 46 Soil series for the project site and their delineation. |
| C-105 | <input checked="" type="checkbox"/> | 47 The limits of disturbance for each phase of construction. |
| C-506 | <input checked="" type="checkbox"/> | 48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan. |
| C-506 | <input checked="" type="checkbox"/> | 49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. |
| C-506 | <input checked="" type="checkbox"/> | 50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia. |
| C-506 | <input checked="" type="checkbox"/> | 51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia. |

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A. **Effective January 1, 2018**

PRIMARY PERMITTEE TO BE PROVIDED AFTER CONTRACT IS AWARDED.
24-HOUR EROSION CONTROL CONTACT: PHIL MALLON (770) 313-9855

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acre in AOI	Percent of AOI
AkA	Altavista sandy loam, 0 to 3 percent slopes	7.5	6.1%
AmB	Appling sandy loam, 2 to 6 percent slopes	9.2	7.4%
AmC	Appling sandy loam, 6 to 10 percent slopes	2.8	2.2%
CA	Cartecay loam, 0 to 2 percent slopes, frequently flooded	11.0	8.9%
CeB	Cecil sandy loam, 2 to 6 percent slopes	21.1	17.0%
CeC	Cecil sandy loam, 6 to 10 percent slopes	55.6	44.8%
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded	11.4	9.2%
W	Water	5.3	4.3%
Totals for Area of Interest		124.0	100.0%



GSWCC LEVEL II
CERT. # 0000073529

MARK	DATE	DESCRIPTION
0	12/14/18	ISSUED FOR CONSTRUCTION

FAYETTE COUNTY
GRAVES RD CULVERT REPLACEMENT
ESPC PLAN

Project No.: 200-01297-17045
Designed By: CG
Drawn By: HA
Checked By: DL

C-507

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